**UNIT-1 mcq’s**

All cloud computing applications suffer from the inherent \_\_\_\_\_\_\_ that is intrinsic in their WAN connectivity.

A) Propagation

B) Latency **\***

C) Noise

D) All of the mentioned

Which term best describes the ability to rapidly increase user accounts for a given cloud service?

A) Volatility

B) Synchronicity

C) Viability

D) Elasticity **\***

Your company runs a virtualized web application server in-house. You decide to make the web applications available over the Internet through a cloud provider. Which method represents the quickest way to accomplish this?

A) Create a new cloud server, install web services, and install and configure web applications.

B) Create a new cloud server, install web services, and import web application data.

C) Migrate your in-house web application server to the cloud.**\***

D) This cannot be done — only generic applications are available through the cloud.

Purchasing software and providing it to a third party that installs and manages that software is an example of which of the following?

A) Virtualization

B) Application service provider \*

C) Platform as a service

D) Private cloud

You are the IT director for a retail clothing outlet. Your competitors are using Internet-delivered inventory, storage, and backup solutions from a specific provider. You conclude it is best that your company use the same services from the same provider. What type of cloud will you be subscribing to?

A) Community cloud \*

B) Retail cloud

C) Private cloud

D) Public cloud

As a developer for a software company, you have decided to build and test your web applications in a cloud environment. Which type of cloud service best meets your needs?

A) PaaS \*

B) SaaS

C) IaaS

D) Xaas

What cloud computing characteristic ensures services and data are always reachable?

A) Confidentiality

B) Integrity

C) Availability \*

D) Scalability

You must ensure that your business computing resources can quickly grow as business demands change. Which of the following allows this?

A) Confidentiality

B) Integrity

C) Availability

D) Scalability \*

Which of the following is most important area of concern in cloud computing ?

A) Security \*

B) Storage

C) Scalability

D) None

Which of the following is one of the unique attribute of Cloud Computing ?

A) utility type of delivery

B) elasticity

C) low barrier to entry

D) all of the above \*

Which of the following cloud concept is related to pooling and sharing of resources ?

A) Polymorphism

B) Virtualization \*

C) Abstraction

D) None of the mentioned

Point out the wrong statement :

A) A cloud is defined as the combination of the infrastructure of a datacenter with the ability to provision hardware and software

B) High touch applications are best done on-premises

C) The Google App Engine follows IaaS \*

D) All of the above

\_\_\_\_\_\_\_\_\_ model consists of the particular types of services that you can access on a cloud computing platform.

A) Service \*

B) Deployment

C) Application

D) None of the mentioned

\_\_\_\_\_\_\_\_ refers to the location and management of the cloud’s infrastructure.

A) Service

B) Deployment \*

C) Application

D) None of the mentioned

Which of the following is the deployment model?

A) public

B) private

C) hybrid

D) all of the mentioned \*

Point out the correct statement.

A) A deployment model defines the purpose of the cloud and the nature of how the cloud is located \*

B) Service model defines the purpose of the cloud and the nature of how the cloud is located

C) Cloud Square Model is meant to show is that the traditional notion of a network boundary being the network’s firewall no longer applies in cloud computing

D) All of the mentioned

The \_\_\_\_\_\_\_\_ cloud infrastructure is operated for the exclusive use of an organization.

A) Public

B) Private \*

C) Community

D) All of the mentioned

\_\_\_\_\_\_\_ provides virtual machines, virtual storage, virtual infrastructure, and other hardware assets.

A) IaaS \*

B) SaaS

C) PaaS

D) All of the mentioned

Point out the wrong statement.

A) A PaaS service adds integration features, middleware, and other orchestration and choreography services to the IaaS model

B) XaaS or ‘anything as a service’ is the delivery of IT as a Service through hybrid Cloud computing

C) Monitoring as a Service (MaaS) is at present still an emerging piece of the Cloud jigsaw

D) None of the mentioned \*

With cloud computing services, hardware purchases, software purchases, and IT support are the responsibility of whom?

A) Internet service provider

B) RraaS provider

C) SaaS provider \*

D) Application service provider

When you add a software stack, such as an operating system and applications to the service, the model shifts to \_\_\_\_\_ model.

A) SaaS \*

B) PaaS

C) IaaS

D) All of the mentioned

Which of the following is most refined and restrictive service model ?

A) IaaS

B) CaaS

C) PaaS \*

D) All of the mentioned

All cloud computing applications suffer from the inherent \_\_\_\_\_\_\_ that is intrinsic in their WAN connectivity.

A) propagation

B) latency \*

C) noise

D) All of the mentioned

Cloud computing is a \_\_\_\_\_\_\_ system and it is necessarily unidirectional in nature.

A) stateless \*

B) stateful

C) reliable

D) None of the above

Which of the following is best known service model ?

A) SaaS

B) IaaS

C) PaaS

D) All of the mentioned \*

Which of the following is related to service provided by Cloud ?

A) Sourcing \*

B) Ownership

C) Reliability

D) AaaS

\_\_\_\_\_\_\_ is a complete operating environment with applications, management, and the user interface.

A) IaaS

B) SaaS \*

C) PaaS

D) All of the mentioned

Which of the following cloud concept is related to pooling and sharing of resources ?

A) Polymorphism

B) Abstraction

C) Virtualization \*

D) None of the mentioned

A \_\_\_\_\_\_\_\_ Level Agreement (SLA) is the contract for performance negotiated between you and a service provider.

A) Service \*

B) Application

C) Deployment

D) All of the mentioned

Which of the following is specified parameter of SLA ?

A) Response times

B) Responsibilities of each party

C) Warranties

D) All of the mentioned \*

Which of the architectural layer is used as backend in cloud computing ?

A) client

B) cloud \*

C) soft

D) All of the mentioned

A \_\_\_\_\_\_\_\_ cloud requires virtualized storage to support the staging and storage of data.

A) soft

B) compute \*

C) local

D) None of the mentioned

Point out the wrong statement :

A) Virtual appliances are becoming a very important standard cloud computing deployment object

B) Cloud computing requires some standard protocols

C) Cloud computing relies on a set of protocols needed to manage interprocess communications

D) None of the mentioned \*

Which of the following is Cloud Platform by Amazon ?

A) Azure

B) AWS

C) Cloudera \*

D) All of the mentioned

Cloud computing is an abstraction based on the notion of pooling physical resources and presenting them as a \_\_\_\_\_\_\_\_ resource.

A) real

B) virtual \*

C) cloud

D) None of the mentioned

Which of the following cloud concept is related to pooling and sharing of resources ?

A) Polymorphism

B) Abstraction

C) Virtualization \*

D) None of the mentioned

Which of the following type of virtualization is also characteristic of cloud computing?

A) Storage

B) Application

C) CPU

D) All of the Above \*

What facet of cloud computing helps to guard against downtime and determines costs?

A) Service-level agreements \*

B) Application programming interfaces

C) Virtual private networks

D) Bandwidth fees

Cloud Services have a\_\_\_\_\_\_\_\_ relationship with their customers.

A) Many-to-many

B) One-to-many \*

C) One-to-one

D) None of the Name

What’s the most popular use case for public cloud computing today?

A) Test and development \*

B) Website hosting

C) Disaster recovery

D) Business analytics

Virtual Machine Ware (VMware) is an example of

A) Infrastructure Service \*

B) Platform Service

C) Software Service

D) None of the above

Geographic distribution of data across a cloud provider's network is a problem for many enterprises because it:

A) Makes data recovery harder

B) Adds latency

C) Raises security concerns

D) Breaks compliance regulations \*

Amazon Web Services is which type of cloud computing distribution model?

A) Software as a Service

B) Platform as a Service \*

C) Infrastructure as a Service

D) Software software as a service

Cloud computing networks are designed to support only private or hybrid clouds.

A) True

B) False \*

A good cloud computing network can be adjusted to provide bandwidth on demand.

A) True \*

B) False

A larger cloud network can be built as either a layer 3 or layer 4 network.

A) True

B) False \*

The typical three-layer switching topology will not create latency within a cloud network.

A) True

B) False \*

The term 'Cloud' in cloud-computing refers to \_\_\_\_\_\_.

A) The Internet \*

B) Cumulus Clouds

C) A Computer

D) Thin Clients

\_\_\_\_\_\_\_\_\_ allows different operating systems to run in their own memory space.

A) VVM

B) VMC

C) VMM \*

D) All of the mentioned

\_\_\_\_\_\_\_\_\_ as a Service is a cloud computing infrastructure that creates a development environment upon which applications may be build.

A) Infrastructure

B) Platform \*

C) Service

D) All of the mentioned

Which of the following cloud concept is related to pooling and sharing of resources ?

A) Polymorphism

B) Abstraction

C) Virtualization\*

D) None of the mentioned

Logical Network Perimeter can be implemented to

A) isolate IT resources in a cloud from non-authorized users

B) isolate IT resources in a cloud from non-users

C) isolate IT resources in a cloud from cloud consumers

D) all of the above \*

A \_\_\_\_\_\_\_\_\_\_\_ is a form of virtualization software that emaluates a physical server.

A) virtual server \*

B) physical server

C) hybrid server

D) none of the above

Point out the wrong statement.

A) Abstraction enables the key benefit of cloud computing: shared, ubiquitous access

B) Virtualization assigns a logical name for a physical resource and then provides a pointer to that physical resource when a request is made

C) All cloud computing applications combine their resources into pools that can be assigned on demand to users \*

D) All of the mentioned

Which of the following type of virtualization is also characteristic of cloud computing?

A) Storage

B) Application

C) CPU

D) All of the mentioned \*

Point out the correct statement.

A) A client can request access to a cloud service from any location

B) A cloud has multiple application instances and directs requests to an instance based on conditions

C) Computers can be partitioned into a set of virtual machines with each machine being assigned a workload

D) All of the mentioned \*

Which of the following network resources can be load balanced?

A) Connections through intelligent switches

B) DNS

C) Storage resources

D) All of the mentioned \*

Which of the following type of virtualization is also characteristic of cloud computing ?

A) Storage

B) Application

C) CPU

D) All of the mentioned \*

Point out the correct statement :

A) A client can request access to a cloud service from any location

B) A cloud has multiple application instances and directs requests to an instance based on conditions

C) Computers can be partitioned into a set of virtual machines with each machine being assigned a workload

D) All of the mentioned \*

Which of the following is another name for system virtual machine ?

A hardware virtual machine \*

B) software virtual machine

C) real machine

D) None of the mentioned

**UNIT-2 mcq’s**

A \_\_\_\_\_\_\_\_\_\_\_ is a form of virtualization software that emaluates a physical server.

A) virtual server \*

B) physical server

C) hybrid server

D) none of the above

The IT resource that isolates the network environment within the data center infrastructure is called:

A) Virtual Firewall

B) Virtual Network \*

C) Both of the mentioned

D) None of the mentioned

A virtual server is a form of virtualization software that emulates:

A) Virtual network

B) Physical Server \*

C) IT Resource

D) None of the mentioned

Which mechanism is used to replicate several instances of a virtual server, using a stored virtual server image.

A) Hyperviser \* (shyad)

B) Virtualization

C) Cloud Auditor

D) None of the mentioned

Internet works on \_\_\_\_\_\_\_

A) packet switching \*

B) circuit switching

C) both packet switching and circuit switching

D) data switching

Which protocol assigns IP address to the client connected in the internet?

A) DHCP \*

B) IP

C) RPC

D) RSVP

A \_\_\_\_\_\_\_\_\_\_\_ is an extension of an enterprise�s private intranet across a public network such as the internet, creating a secure private connection.

A) VNP

B) VPN \*

C) VSN

D) VSPN

Which of the following is false with respect to UDP?

A) Connection-oriented \*

B) Unreliable

C) Transport layer protocol

D) Low overhead

What is the main advantage of UDP?

A) More overload

B) Reliable

C) Low overhead \*

D) Fast

Which of the following is false with respect to TCP?

A) Connection-oriented

B) Process-to-process

C) Transport layer protocol

D) Unreliable \*

In TCP, sending and receiving data is done as \_\_\_\_\_\_\_

A) Stream of bytes \*

B) Sequence of characters

C) Lines of data

D) Packets

The physical layer is concerned with \_\_\_\_\_\_\_\_\_\_\_

A) bit-by-bit delivery \*

B) process to process delivery

C) application to application delivery

D) port to port delivery

The data link layer takes the packets from \_\_\_\_\_\_\_\_\_ and encapsulates them into frames for transmission.

A) network layer \*

B) physical layer

C) transport layer

D) application layer

The network layer is concerned with \_\_\_\_\_\_\_\_\_\_ of data.

A) bits

B) frames

C) packets \*

D) bytes

Transport layer aggregates data from different applications into a single stream before passing it to \_\_\_\_\_\_\_\_\_\_\_\_

A) network layer \*

B) data link layer

C) application layer

D) physical layer

Which of the following are transport layer protocols used in networking?

A) TCP and FTP

B) UDP and HTTP

C) TCP and UDP \*

D) HTTP and FTP

This is a repository for the storage, management, and dissemination of data in which the mechanical, lighting, electrical and computer systems are designed for maximum energy efficiency and minimum environmental impact.

A) Storage lab

B) Data Center \*

C) Data warehouse

D) Fabric

Which three statements describe differences between Storage Area Network (SAN) and Network Attached Storage (NAS) solutions? Choose three.

i. SAN is generally more expensive but provides higher performance

ii. NAS uses TCP/IP for communication between hosts and the NAS server

iii. NAS requires additional hardware on a host: a host bus adapter for connectivity

iv. SAN uses proprietary protocols for communication between hosts and the SAN fabric

A) i,ii, iii

B) i, ii, iv \*

C) ii, iii, iv

D) i, ii, iii

Resource \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ is defined as the creation of multiple instances of the same IT resource.

A) Management

B) Provisioning

C) Replication \*

D) Allocation

A virtual server is a form of virtualization software that emulates:

A) Virtual network

B) Physical Server \*

C) IT Resource

D) None of the mentioned

Which mechanism is used to replicate several instances of a virtual server, using a stored virtual server image.

A) Hyperviser

B) Virtualization \*

C) Cloud Auditor

D) None of the mentioned

Which of the following type of virtualization is also characteristic of cloud computing?

a) Storage

b) Application

c) CPU

d) All of the mentioned \*

An IT resource that actively filters network traffic to and from the isolated network while controlling its interactions with the Internet.

A) Virtual Firewall \*

B) Virtual Network

C) Both of the mentioned

D) None of the mentioned

Point out the correct statement.

a) A virtual machine is a computer that is walled off from the physical computer that the virtual machine

is running on

b) Virtual machines provide the capability of running multiple machine instances, each with their own operating system

c) The downside of virtual machine technologies is that having resources indirectly addressed means there is some level of overhead

d) All of the mentioned \*

What is the full form of "FTP"?

A) File Tranmitting Protocol

B) File Transfer Protocol \*

C) Fast Transfer Protocol

D) Fast Transmitting Project

What is the full form of "HTTP"?

A) High Transfer Terra Page

B) Higher Transfer Technology Protocol

C) Hypertext Transfer Protocol\*

D) Hive Type Terminal Protocol

What is the full form of "ISP"?

A) Internet Service Provider\*

B) Internal Service Processor

C) International Server Provider

D) Internet System Processor

What is the full form of "OSI"?

A) Organisational Server Interface

B) Open Server Interconnection

C) Operating System Interface

D) Open System Interconnection\*

What is the full form of "SMTP"?

A) Structured Mail Transfer Protocol

B) Simple Mail Transmitting Protocol

C) Simple Mail Transfer Protocol\*

D) Server Mail Transfer Protocol

In SAN storage model, the operating system view storage resources as �� devices

A) FC

B) SCSI \*

C) SAN

D) None of the mentioned

**All in one VCC**

**Virtualization and Cloud Computing** Course Code: **BTCS15F6200** Semester: **V**I

# Question Bank UNIT:1

**Introduction to Cloud Computing**

1. Which of the following was one of the top 5 cloud applications in 2010?
2. Cloud backup
3. Web applications
4. Business applications
5. **All of the mentioned**
6. Point out the correct statement.
7. Google’s cloud includes perhaps some 10 data centers worldwide
8. Flipkart.com’s infrastructure was built to support elastic demand so the system could accommodate peak traffic
9. **Data centers have been sited to optimize the overall system latency**
10. All of the mentioned
11. Which of the following benefit is related to creates resources that are pooled together in a system that supports multi-tenant usage?
12. **On-demand self-service**
13. Broad network access
14. Resource pooling
15. All of the mentioned
16. The is something that you can obtain under contract from your vendor.
17. PoS
18. **QoS**
19. SoS
20. All of the mentioned
21. Point out the wrong statement.
22. **Internet consumes roughly 1 percent of the world’s total power**
23. The cost advantages of cloud computing have enabled new software vendors to create productivity applications
24. A client can provision computer resources without the need for interaction with cloud service provider personnel
25. None of the mentioned
26. All cloud computing applications suffer from the inherent that is intrinsic in their WAN connectivity.
27. Propagation
28. **Latency**
29. Noise
30. All of the mentioned
31. Which term best describes the ability to rapidly increase user accounts for a given cloud service?
32. Volatility
33. Synchronicity
34. Viability
35. **Elasticity**
36. Your company runs a virtualized web application server in-house,You decide to make the web applications available over the Internet through a cloud provider,Which method represents the quickest way to accomplish this?
37. Create a new cloud server, install web services,and install and configure web applications.
38. Create a new cloud server, install web services,and import web application data.
39. **Migrate your in-house web application server to the cloud.**
40. This cannot be done — only generic applications are available through the cloud.
41. Purchasing software and providing it to a third party that installs and manages that software is an example of which of the following?
42. Virtualization
43. **Application service provider**
44. Platform as a service
45. Private cloud
46. You are the IT director for a retail clothing outlet,Your competitors are using Internet- delivered inventory storage and backup solutions from a specific provider,You conclude it is best that your company use the same services from the same provider,What type of cloud will you be subscribing to?
47. **Community cloud**
48. Retail cloud
49. Private cloud
50. Public cloud
51. As a developer for a software company, you have decided to build and test your web applications in a cloud environment,Which type of cloud service best meets your needs?
52. **PaaS**
53. SaaS
54. IaaS
55. Xaas
56. What cloud computing characteristic ensures services and data are always reachable?
57. Confidentiality
58. Integrity
59. **Availability**
60. Scalability
61. You must ensure that your business computing resources can quickly grow as business demands change,Which of the following allows this?
62. Confidentiality
63. Integrity
64. Availability
65. **Scalability**
66. Which of the following is most important area of concern in cloud computing ?
67. **Security**
68. Storage
69. Scalability
70. None
71. Which of the following is one of the unique attribute of Cloud Computing ?
72. utility type of delivery
73. elasticity
74. low barrier to entry
75. **all of the above**
76. Which of the following cloud concept is related to pooling and sharing of resources ?
77. Polymorphism
78. **Virtualization**
79. Abstraction
80. None of the mentioned 17.Point out the wrong statement
81. A cloud is defined as the combination of the infrastructure of a datacenter with the ability to provision hardware and software
82. High touch applications are best done on-premises
83. **The Google App Engine follows IaaS**
84. All of the above
85. The model consists of the particular types of services that you can access on a cloud computing platform.
86. **Service**
87. Deployment
88. Application
89. None of the mentioned
90. The refers to the location and management of the cloud infrastructure.
91. Service
92. **Deployment**
93. Application
94. None of the mentioned
95. Which of the following is the deployment model?
96. public
97. private
98. hybrid
99. **all of the mentioned**
100. Point out the correct statement.
101. **A deployment model defines the purpose of the cloud and the nature of how the cloud is located**
102. Service model defines the purpose of the cloud and the nature of how the cloud is located
103. Cloud Square Model is meant to show is that the traditional notion of a network boundary being the network firewall no longer applies in cloud computing
104. All of the mentioned
105. The cloud infrastructure is operated for the exclusive use of an organization.
106. Public
107. **Private**
108. Community
109. All of the mentioned
110. Which provides virtual machines, virtual storage, virtual infrastructure, and other hardware assets.
111. **IaaS**
112. SaaS
113. PaaS
114. All of the mentioned
115. Point out the wrong statement.
116. A PaaS service adds integration features, middleware, and other orchestration and choreography services to the IaaS model
117. XaaS or anything as a service is the delivery of IT as a Service through hybrid Cloud computing
118. Monitoring as a Service (MaaS) is at present still an emerging piece of the Cloud jigsaw
119. **None of the mentioned**
120. With cloud computing services, hardware purchases, software purchases, and IT support are the responsibility of whom?
121. Internet service provider
122. PaaS provider
123. **SaaS provider**
124. Application service provider
125. When you add a software stack, such as an operating system and applications to the service,the model shifts to model.
126. **SaaS**
127. PaaS
128. IaaS
129. All of the mentioned
130. Which of the following is most refined and restrictive service model ?
131. IaaS
132. CaaS
133. **PaaS**
134. All of the mentioned
135. All cloud computing applications suffer from the inherent that is intrinsic in their WAN connectivity.
136. propagation
137. **latency**
138. noise
139. All of the mentioned
140. Cloud computing is a system and it is necessarily unidirectional in nature.
141. **stateless**
142. stateful
143. reliable
144. None of the above
145. Which of the following is best known service model ?
146. SaaS
147. IaaS
148. PaaS
149. **All of the mentioned**
150. Which of the following is related to service provided by Cloud ?
151. **Sourcing**
152. Ownership
153. Reliability
154. AaaS
155. Which is a complete operating environment with applications, management and the user interface.
156. IaaS
157. **SaaS**
158. PaaS
159. All of the mentioned
160. Which of the following cloud concept is related to pooling and sharing of resources ?
161. Polymorphism
162. Abstraction
163. **Virtualization**
164. None of the mentioned
165. The contract for performance negotiated between user and a service provider is called

Level Agreement.

1. **Service**
2. Application
3. Deployment
4. All of the mentioned
5. Which of the following is specified parameter of SLA ?
6. Response times
7. Responsibilities of each party
8. Warranties
9. **All of the mentioned**
10. Which of the architectural layer is used as backend in cloud computing ?
11. client
12. **cloud**
13. soft
14. All of the mentioned
15. which one is a cloud requires virtualized storage to support the staging and storage of data.
16. soft
17. **compute**
18. local
19. None of the mentioned 38.Point out the wrong statement
20. Virtual appliances are becoming a very important standard cloud computing deployment object
21. Cloud computing requires some standard protocols
22. Cloud computing relies on a set of protocols needed to manage interprocess communications
23. **None of the mentioned**
24. Which of the following is Cloud Platform by Amazon ?
25. Azure
26. AWS
27. Cloudera
28. **All of the mentioned**
29. Cloud computing is an abstraction based on the notion of pooling physical resources and presenting them as a resource.
30. real
31. **virtual**
32. cloud
33. None of the mentioned
34. Which of the following cloud concept is related to pooling and sharing of resources?
35. Polymorphism
36. Abstraction
37. **Virtualization**
38. None of the mentioned
39. Which of the following type of virtualization is also characteristic of cloud computing?
40. Storage
41. Application
42. CPU
43. **All of the Above**
44. What facet of cloud computing helps to guard against downtime and determines costs?
45. **Service-level agreements**
46. Application programming interfaces
47. Virtual private networks
48. Bandwidth fees
49. Cloud Services have a relationship with their customers.
50. Many-to-many
51. **One-to-many**
52. One-to-one
53. None of the Name
54. What is the most popular use case for public cloud computing today?
55. **Test and development**
56. Website hosting
57. Disaster recovery
58. Business analytics
59. Virtual Machine Ware (VMware) is an example of
60. **Infrastructure Service**
61. Platform Service
62. Software Service
63. None of the above
64. Geographic distribution of data across a cloud provider's network is a problem for many enterprises because it
65. **Makes data recovery harder**
66. Adds latency
67. Raises security concerns
68. Breaks compliance regulations
69. Amazon Web Services is which type of cloud computing distribution model?
70. Software as a Service
71. Platform as a Service
72. **Infrastructure as a Service**
73. Software software as a service
74. Cloud computing networks are designed to support only private or hybrid clouds.
75. True
76. **False**

50.A good cloud computing network can be adjusted to provide bandwidth on demand.

1. **True**
2. False

51.A larger cloud network can be built as either a layer 3 or layer 4 network.

1. True
2. **False**
3. The typical three-layer switching topology will not create latency within a cloud network.
4. True
5. **False**
6. The term Cloud in cloud-computing refers to .
7. **The Internet**
8. Cumulus Clouds
9. A Computer
10. Thin Clients
11. which one is allows different operating systems to run in their own memory space.
12. VVM
13. VMC
14. **VMM**
15. All of the mentioned
16. Which service is a cloud computing infrastructure that creates a development environment upon which applications may be build.
17. Infrastructure
18. **Platform**
19. Service
20. All of the mentioned
21. Which of the following cloud concept is related to pooling and sharing of resources?
22. Polymorphism
23. Abstraction
24. **Virtualization**
25. None of the mentioned
26. Logical Network Perimeter can be implemented to
27. isolate IT resources in a cloud from non-authorized users
28. isolate IT resources in a cloud from non-users
29. isolate IT resources in a cloud from cloud consumers
30. **all of the above**
31. Form of virtualization software that emaluates a physical server.
32. **virtual server**
33. physical server
34. hybrid server
35. none of the above
36. Point out the wrong statement.
37. Abstraction enables the key benefit of cloud computing: shared, ubiquitous access
38. Virtualization assigns a logical name for a physical resource and then provides a pointer to that physical resource when a request is made
39. **All cloud computing applications combine their resources into pools that can be assigned on demand to users**
40. All of the mentioned
41. Which of the following type of virtualization is also characteristic of cloud computing?
42. Storage
43. Application
44. CPU
45. **All of the mentioned**
46. Point out the correct statement
47. A client can request access to a cloud service from any location
48. A cloud has multiple application instances and directs requests to an instance based on conditions
49. Computers can be partitioned into a set of virtual machines with each machine being assigned a workload
50. **All of the mentioned**
51. Which of the following network resources can be load balanced?
52. Connections through intelligent switches
53. DNS
54. Storage resources
55. **All of the mentioned**
56. Which of the following type of virtualization is also characteristic of cloud computing?
57. Storage
58. Application
59. CPU
60. **All of the mentioned**
61. Point out the correct statement
62. A client can request access to a cloud service from any location
63. A cloud has multiple application instances and directs requests to an instance based on conditions
64. Computers can be partitioned into a set of virtual machines with each machine being assigned a workload
65. **All of the mentioned**
66. Which of the following is another name for system virtual machine?
67. **hardware virtual machine**
68. software virtual machine
69. real machine
70. None of the mentioned

**UNIT:2**

**Cloud Computing Technologies & Cloud Infrastructure Mechanisms**

1 .A service provider gets the same benefits from a compostable system that a user does.

1. CaaS
2. AaaS
3. **PaaS**
4. All of the mentioned
5. is a paradigm of distributed computing to provide the customers on- demand, utility based computing service.
6. Remote Sensing
7. Remote Invocation
8. **Cloud Computing**
9. Private Computing
10. Cloud providers provide cloud services to the cloud users.
11. **True**
12. False
13. Which of the following is not a cloud stakeholder?
14. Cloud providers
15. **Clients**
16. End users
17. Cloud users
18. These cloud services are of the form of utility computing i.e. the uses these services pay-as-you-go model.
19. Cloud providers
20. Clients
21. End users
22. **Cloud user**
23. .Which of the following is not a type of cloud?
24. Private
25. Public
26. **Protected**
27. Hybrid
28. .In this type of cloud, an organization rents cloud services from cloud providers on-demand basis.
29. Private
30. **Public**
31. Protected
32. Hybrid

8.In this type of cloud, the cloud is composed of multiple internal or external clouD)

1. Private
2. Public
3. Protected
4. **Hybrid**

9 . enables the migration of the virtual image from one physical machine to another.

1. visualization
2. **virtualization**
3. migration
4. virtual transfer

10.Most of the cloud architectures are built on this type of architecture.

1. skeleton
2. **grid**
3. linear
4. template 11.What is internet?
5. a single network
6. **a vast collection of different networks**
7. interconnection of local area networks
8. interconnection of wide area networks
9. To join the internet, the computer has to be connected to a
10. internet architecture board
11. internet society
12. **internet service provider**
13. different computer
14. Which of the following protocols is used in the internet?
15. HTTP
16. DHCP
17. DNS
18. **DNS, HTTP and DNS**
19. The size of an IP address in IPv6 is
20. 32 bits
21. 64 bits
22. **128 bits**
23. 265 bits
24. Internet works on
25. **packet switching**
26. circuit switching
27. both packet switching and circuit switching
28. data switching
29. Which one of the following is not an application layer protocol used in internet?
30. remote procedure call
31. internet relay chat
32. **resource reservation protocol**
33. local procedure call
34. Which protocol assigns IP address to the client connected in the internet?
35. **DHCP**
36. IP
37. RPC
38. RSVP
39. Which one of the following is not used in media access control?
40. ethernet
41. digital subscriber line
42. fiber distributed data interface
43. **packet switching**
44. Saas stands for?
45. **Software as a service**
46. System Software and services
47. Software as a system
48. System as a service
49. All cloud computing applications suffer from the inherent that is intrinsic in their WAN connectivity.
50. propagation
51. **latency**
52. noise
53. all of the mentioned
54. Cloud computing is a system and it is necessarily unidirectional in nature.
55. **stateless**
56. stateful
57. reliable
58. all of the mentioned
59. Which of the following is the most important area of concern in cloud computing?
60. **Security**
61. Storage
62. Scalability
63. All of the mentioned
64. You can’t count on a cloud provider maintaining your in the face of government actions.
65. scalability
66. reliability
67. **privacy**
68. none of the mentioned
69. Which of the following architectural standards is working with cloud computing industry?
70. **Service-oriented architecture**
71. Standardized Web services
72. Web-application frameworks
73. All of the mentioned
74. Which type of IT resource can be virtualized ,Physical router and switches can be abstracted in to logical network .
75. Server
76. Storage **C)Network** D)Internet
77. Virtualization technology enables different virtual servers to share one physical server ,this process is called
78. **Resource Replication**
79. Hypervisor
80. Server consolidation
81. Hardware Independence
82. Markup language that define the API of a web service including its individual operation and each operation input and output message
83. WSDL
84. SOAP
85. **XML schema**
86. UDDI
87. An agent is a processing module that collects usage data by having event-driven interaction with specialized resource software
88. Monitoring Agent
89. **Resource Agent**
90. Polling agent
91. Active agent
92. Which interface that implement cloud storage Device mechanisms typically can be accesses via REST or web service based cloud service using http as the prime protocol.
93. Network Storage Interface
94. Database Storage Interface
95. Block Storage Interface
96. **Object storage Interface**

30.A is a form of virtualization software that emaluates a physical server.

1. **virtual server**
2. physical server
3. hybrid server
4. none of the above
5. The IT resource that isolates the network environment within the data center infrastructure is called:
6. Virtual Firewall
7. **Virtual Network**
8. Both of the mentioned
9. None of the mentioned
10. irtual server is a form of virtualization software that emulates:
11. Virtual network
12. **Physical Server**
13. IT Resource
14. None of the mentioned
15. Which mechanism is used to replicate several instances of a virtual server, using a stored virtual server image.
16. **Hyperviser**
17. Virtualization
18. Cloud Auditor
19. None of the mentioned 34.Saas stands for?
20. **Software as a service**
21. System Software and services
22. Software as a system
23. System as a service 35.Internet works on
24. **packet switching**
25. circuit switching
26. both packet switching and circuit switching
27. data switching
28. Which protocol assigns IP address to the client connected in the internet?
29. **DHCP**
30. IP
31. RPC
32. RSVP
33. An extension of an enterprise’s private intranet across a public network such as the internet, creating a secure private connection is called .
34. VNP
35. **VPN**
36. VSN
37. VSPN
38. Which of the following is false with respect to UDP?
39. **Connection-oriented**
40. Unreliable
41. Transport layer protocol
42. Low overhead
43. What is the main advantage of UDP?
44. More overload
45. Reliable
46. **Low overhead**
47. Fast
48. Which of the following is false with respect to TCP?
49. Connection-oriented
50. Process-to-process
51. Transport layer protocol
52. **Unreliable**
53. In TCP, sending and receiving data is done as
54. **Stream of bytes**
55. Sequence of characters
56. Lines of data
57. Packets
58. The physical layer is concerned with
59. **bit-by-bit delivery**
60. process to process delivery
61. application to application delivery
62. port to port delivery
63. The data link layer takes the packets from and encapsulates them into frames for transmission.
64. **network layer**
65. physical layer
66. transport layer
67. application layer
68. The network layer is concerned with of data.
69. bits
70. frames
71. **packets**
72. bytes
73. Transport layer aggregates data from different applications into a single stream before passing it to
74. **network layer**
75. data link layer
76. application layer
77. physical layer
78. Which of the following are transport layer protocols used in networking?
79. TCP and FTP
80. UDP and HTTP
81. **TCP and UDP**
82. HTTP and FTP
83. This is a repository for the storage, management, and dissemination of data in which the mechanical, lighting, electrical and computer systems are designed for maximum energy efficiency and minimum environmental impact.
84. Storage lab
85. **Data Center**
86. Data warehouse
87. Fabric
88. Resource is defined as the creation of multiple instances of the same IT resource.
89. Management
90. Provisioning
91. **Replication**
92. Allocation
93. irtual server is a form of virtualization software that emulates:
94. Virtual network
95. **Physical Server**
96. IT Resource
97. None of the mentioned
98. Which mechanism is used to replicate several instances of a virtual server, using a stored virtual server image.
99. **Hyperviser**
100. Virtualization
101. Cloud Auditor
102. None of the mentioned
103. Which of the following type of virtualization is also characteristic of cloud computing?
104. Storage
105. Application
106. CPU
107. **All of the mentioned**
108. An IT resource that actively filters network traffic to and from the isolated network while controlling its interactions with the Internet.
109. **Virtual Firewall**
110. Virtual Network
111. Both of the mentioned
112. None of the mentioned 53.Point out the correct statement.
113. A virtual machine is a computer that is walled off from the physical computer that the virtual machine is running on
114. Virtual machines provide the capability of running multiple machine instances, each with their own operating system
115. The downside of virtual machine technologies is that having resources indirectly addressed means there is some level of overhead
116. **All of the mentioned**

54.What is the full form of "FTP"?

1. File Tranmitting Protocol
2. **File Transfer Protocol**
3. Fast Transfer Protocol
4. Fast Transmitting Project 55.What is the full form of "HTTP"?
5. High Transfer Terra Page
6. Higher Transfer Technology Protocol
7. **Hypertext Transfer Protocol**
8. Hive Type Terminal Protocol 56.What is the full form of "ISP"?
9. **Internet Service Provider**
10. Internal Service Processor
11. International Server Provider
12. Internet System Processor 57.What is the full form of "OSI"?
13. Organisational Server Interface
14. Open Server Interconnection
15. Operating System Interface
16. **Open System Interconnection**
17. What is the full form of "SMTP"?
18. Structured Mail Transfer Protocol
19. Simple Mail Transmitting Protocol
20. **Simple Mail Transfer Protocol**
21. Server Mail Transfer Protocol
22. Storge area network storage model, the operating system view storage resources as devices
23. FC
24. **SCSI**
25. SAN
26. None of the mentioned

**UNIT:3**

**Specialized Cloud Mechanisms & Cloud Management Mechanisms**

1. The mechanism is used to specifically observe the runtime performance of cloud services to ensure that they are fulfilling the conteactual QoS requirements that are published in SLAs.
2. **SLA Monitor**
3. Load Balancer
4. Pay-Per-Use Monitor
5. Audit Monitor
6. The data collected by the SLA monitor is processed by an

to be aggregated into SLA reporting metrics.

1. SLA administration system
2. SLA failure system
3. **SLA management system**
4. SLA auditing system
5. The physical server polling has consecutively timed out three times, this generated event is termed as:
6. PS\_Timeout
7. **PS\_Unreachable**
8. PS\_Reachable
9. VM\_Unreachable
10. The previously unavailable physical server becomes responsive to polling again, this generated event is termed as:
11. **VM\_Reachable**
12. PS\_Timeout
13. PS\_Reachable
14. VM\_Unreachable
15. The mechanism measures cloud-based IT resource usage in accordance with predefined pricing parameters and generates usage logs for fee calculations and billing purposes.
16. Audit Monitor
17. SLA Monitor
18. Automated Scaling Listener
19. **Pay-Per-Use Monitor**
20. The information that is used to identify the type of pricing model for usage fee calaculations, including pre-paid subscription with usage quota, post-paid subscription with maximum usage quota is termed as:
21. Resource Usage Quota Consumption
22. Cloud Consumer Subscription Type
23. Resource Usage Category
24. Bandwidth Consumption
25. The billing management system uses this information to identify the range of usage fees that are applicable to each usage event. This particular information is termed as:
26. Resource Usage Quota Consumption
27. Cloud Consumer Subscription Type
28. Resource Usage Category
29. Bandwidth Consumption
30. When usage contracts define IT resource usage quotas, usage event conditions are typically supplemented with quota consumption and updated quota limits. This type of consumption is termed as:
31. Resource Usage Quota Consumption
32. Cloud Consumer Subscription Type
33. Resource Usage Category
34. Bandwidth Consumption

9.A pay-per-use monitor implemented as a used to determine the usage period of a virtual server.

1. Resource Auditor
2. Resource Broker
3. Resource Admin
4. **Resource Agent**

10.A pay-per-use monitor designed as a that transparently intercepts and analyzes runtime communication with a cloud service.

1. Resource Auditor
2. **Monitoring Agent**
3. Service Agent
4. Resource Agent

11.A monitoring agent that collects tracking data for networks and IT resources is Called

1. Load balancer
2. **Audit Monitor**
3. Automated Scaling Listener
4. Pay-per use Monitor
5. Which of the following are not Cloud management mechanisms
6. Remote Administration system
7. SLA Management System
8. Audit Monitor System
9. **Billing Management System**
10. Failover System can be defined as
11. **A system to increase the reliability and availability of IT resources by using established clustering technology to provide redundant implementations**
12. A resource agent that monitors and keeps track of the runtime performance of cloud services.
13. The Failure of the system
14. None of the mentioned 14.Failover System include
15. Only Active-Active
16. **Only Active-Passive**
17. None of the mentioned
18. Both the mentioned
19. The monitoring agent that intercepts login requests and stores the requestors security credentials, as well as both failed attempts in a log database for future audit reporting purposes.
20. Pay-per-use monitor
21. SLA Monitor
22. **Audit Monitor**
23. Cloud Usage Monitor
24. The mechanism that rely on the resource replication mechanism to supply the redundant IT resource instances is called
25. **Failover systems**
26. Hypervisor
27. Load balancer
28. Resource Cluster
29. The Specialized cloud mechanism used to intercept the response message and stores the entire collected login event details in the log database
30. Pay-per-use monitor
31. **Audit Monitor**
32. SLA Monitor
33. Cloud Usage Monitor
34. The implementation mecahnism used in the failoversystems are
35. Hypervoiser
36. **Resource replication**
37. SLA Monitor
38. Cloud Auditor
39. DAS-based: periodic synchronization can also be reffered as
40. SAN Based
41. NAS based
42. None of mentioned
43. WORM based

20.A state management database is a

1. Network Device
2. **Storage Device**
3. Software Program
4. Router
5. Storage management database is used to make software programs more
6. available
7. reliable
8. scalable
9. secure
10. The cloud management mechanism
11. Remote Administration System
12. Resource Management System
13. Billing Management System
14. **All of the above**
15. The tools and APIs provided by remote administration system are used by
16. **Cloud Provider**
17. Cloud Consumer
18. Both cloud provider and cloud consumer
19. None of the above
20. The tools and user interfaces for external cloud resource admininstrators to configure and asminister cloud based IT resources is provided by
21. SLA Management System
22. Resource Management System
23. Billing Management System
24. **Remote Administration System**
25. The task performed by cloud consumers via a remote administration console is/are
26. **monitoring cloud service status**
27. managing leasing costs
28. capacity planning
29. All of the above
30. The primary types of portal created with remote administration system is/are
31. **usage and administration portal**
32. self-service portal
33. Both A and B
34. None of the above
35. In remote administration system, the task of planning and assessing IT resource provisioning is performed by
36. Cloud Provider
37. **Cloud Consumer**
38. Cloud Broker
39. Cloud Auditor
40. The self service portal in remote administration system is used by to search cloud services.
41. Cloud Provider
42. **Cloud Consumer**
43. Cloud Owner
44. Cloud Broker
45. The resource management system mechanism helps cocordinate IT resources in response to management actions performed by both
46. cloud consumers and cloud services
47. **cloud consumers and cloud providers**
48. none of the above
49. all of the above

30.A is the core of the resource management system that coordinatesthe server hardware so that virtual server instances can be created from the underlying physical server.

1. virtual server
2. resource management system
3. **virtual infrastructure manager**
4. physical server

31.Which of the following is NOT the task of resource management system

1. managing virtual IT resources
2. allocating and releasing the virtual IT resources
3. monitoring QoS and SLA fulfillment
4. monitoring operational conditions of IT resources

32.A resource management system consist of .

1. VIM platform and VIM image repository
2. usage and administration portal
3. **self-service portal**
4. None of the above
5. An service level agreement management system mechanism encompassing an

and .

1. usage and administration portal
2. VIM platform and VIM image repository
3. pricing and contract manager
4. SLA manager and QoS measurement repository
5. Queries can be issued and reports can be generated for an externalcloud resource admjnistrator via .
6. **usage and administration portal**
7. pricing and contract manager
8. SLA manager and QoS measurement repository
9. None
10. The metrics monitored for individual cloud services are aligned with the SLA gurantees in corresponding cloud provisioning contracts through .
11. Remote Administration System
12. Resource Management System
13. **SLA Management system**
14. All
15. can create and manage multiple instances of a hypervisor across different physical servers or allocate a virtual server on one physical server
16. Resource managment system
17. Virtual machnine
18. **VIM**
19. Virtual server
20. The SLA monitor polls the cloud service that sends
21. **polling request messages**
22. Polling response messages
23. both of the above
24. none of the above
25. The self service portal in remote administration system is used by to search cloud services.
26. Cloud Provider
27. **Cloud Consumer**
28. Cloud Owner
29. Cloud Broker
30. mechanism is used to group multiple IT resource instances so that they can be operated as single IT resource.
31. Hypervisor
32. Multi Tenant
33. **Resource Cluster**
34. Resource Replication

40Above layer a hypervisor is installed.

1. Network Layer
2. Application Layer
3. **Physical Layer**
4. Transport Layer
5. mechanism is used to generate virtual server instances of a physical server.
6. Resource Cluster
7. **Hypervisor**
8. VM Ware
9. Load Balancer
10. Resource Cluster architectures rely on
11. High Speed Network Connection
12. **High Speed dedicated Network Connection**
13. Hypervisor
14. All of the above
15. Database clusters are designed to improve
16. **Data Availability**
17. Redundancy
18. Auditing
19. All of the above
20. Cluster specializes in distributing workloads among cluster nodes to increse IT resource capaacity, while preserving the centralization of IT resource management.
21. **Load balanced Cluster**
22. HA cluster
23. Large Data set Cluster
24. Server Cluster
25. Cluster is used to data partitioning and distribution so that target data sets can be efficiently partitioned without compromising data integrity.
26. Load balanced Cluster
27. HA cluster
28. **Large Data set Cluster**
29. Server Cluster
30. maintains a system availability in the event of multiple node failures.
31. Load balanced Cluster
32. **HA cluster**
33. Large Data set Cluster
34. Server Cluster
35. Hypervisor software provides features.
36. **Scheduling**
37. Sharing
38. Controlling
39. All of the above
40. Load Balanced cluster usually implements a load balanced mechanism
41. Either embedded within the cluster management platform
42. Setup as a seperate IT Resource.
43. **Both A and B**
44. None of the above
45. transforms the communication protocols used by mobile devices into protocols that are compatible with a cloud service.
46. **Mobile Device Gateway**
47. XML Gateway
48. Cloud Storage Gateway
49. HTTP Gateway
50. ia a general purpose portal that centralizes management controls to different cloud-based IT resources.
51. Self-Service Portal
52. **Usage and Administration Portal**
53. Custom IT Resource Management Portal
54. On-Premise IT Resource Portal

Unit:4

**Virtualization:**

1.An virtualization layer used for different user applications managed by their own operating systems (guest OS) can run on the same hardware, independent of the host OS is refereed as

1. **hypervisor**
2. virtual machine monitor
3. Both the mentioned
4. None

Which of the following is another name for the system virtual machine?

1. **hardware virtual machine**
2. software virtual machine
3. real machine
4. none of the mentioned

Which of the following provide system resource access to virtual machines?

1. **VMM**
2. VMC
3. VNM
4. all of the mentioned

Which of the following is Type 1 Hypervisor?

1. Wind River Simics
2. Virtual Server 2005 R2
3. KVM
4. **LynxSecure**

Which of the following type of virtualization is found in hypervisor such as Microsoft’s Hyper- V?

1. **paravirtualization**
2. full virtualization
3. emulation
4. none of the mentioned

In the virtual machine simulates hardware, so it can be independent of the underlying system hardware.

1. paravirtualization
2. full virtualization
3. **emulation**
4. none of the mentioned

Point out the wrong statement.

1. **Full virtualization requires that the host operating system provide a virtual machine interface for the guest operating system and that the guest access hardware through that host VM**
2. Guest operating systems in full virtualization systems are generally faster than other virtualization schemes
3. a process virtual machine instantiates when a command begins a process
4. all of the mentioned

In a scheme, the VM is installed as a Type 1 Hypervisor directly onto the hardware.

1. paravirtualization
2. **full virtualization**
3. emulation
4. none of the mentioned

at the ISa level, virtualization is performed by emulating a given ISa by the ISa of

1. Virtual machine
2. **Host machine**
3. Guest OS
4. none of the mentioned

Hardware-level virtualization is performed right on top of which harware devices

1. processors
2. memory
3. I/O devices
4. **all of the mentioned**

vCUDa which allows applications executing within VMs to leverage GPU hardware acceleration is an exapmle for

1. **hardware abstraction Level**
2. Os-level Level
3. Library Support Level
4. User application Level

The most popular approach which is to deploy high level language (HLL)VMs.

1. hardware abstraction Level
2. Os-level Level
3. Library Support Level
4. **User application Level**

Virtulization can be implemeted in

1. hardware abstraction Level
2. Os-level Level
3. Library Support Level
4. **all the mentioned**

which virtualization implementation level has more application flexibility

1. hardware abstraction Level
2. **Instrction set architecture level**
3. Library Support Level
4. User application Level

which virtualization implementation level has more implementation complexity

1. hardware abstraction Level
2. Instrction set architecture level
3. Library Support Level
4. **User application Level**

which virtualization implementation level has higher performance

1. **hardware abstraction Level**
2. Instrction set architecture level
3. Library Support Level
4. User application Level

the basic concept of the vCUDa architecture consists of

1. the vCUDa library
2. a virtual GPU in the guest OS
3. vCUDa stub in the host OS
4. **all the mentioned**

noncritical instructions run on the hardware directly while critical instructions are discovered and replaced with traps into the VMM to be emulated by software in

1. **Full Virtualization**
2. para Virtualization
3. Host- based Virtualization
4. None

the type of Virtualization replaces nonvirtualizable instructions with hypercalls that communicate directly with the hypervisor or VMM

1. Full Virtualization
2. **para Virtualization**
3. Host- based Virtualization
4. None

In Para-Virtualization architecture ring-0 defines

1. **para virualized guest-os**
2. host-os
3. user apps
4. virtialization layer

Which of the following type of virtualization is also characteristic of cloud computing?

1. Storage
2. application
3. CPU
4. **all of the mentioned**

In Para-Virtualization architecture ring-3 defines

1. para virualized guest-os
2. host-os
3. **user apps**
4. virtialization layer

Ring 0 represents In Para-Virtualization architecture

1. **level having most privilege**
2. level having least privilege
3. None

Ring 3 represents In Para-Virtualization architecture

1. level having most privilege
2. **level having least privilege**
3. None

KVM (Kernel-Based VM) is a

1. **Full Virtualized system**
2. para Virtualized system
3. Host- based Virtualized system
4. None

hypervisor kernel provides the same functionality as other operating systems, such as process creation, file system management, and process scheduling. It is designed to specifically support multiple virtual machines and to provide core functionalities, such as resource scheduling, I/O stacks, etc.

1. Hypervisor Components - VMM
2. **Hypervisor Components - Kernel**
3. Resource Control - Share
4. vSphere Key Components

A is a form of virtualization software that emaluates a physical server.

1. virtual server
2. physical server
3. hybrid server
4. none of the above ANSWER: A

The IT resource that isolates the network environment within the data center infrastructure is called:

1. Virtual Firewall
2. Virtual Network
3. Both of the mentioned
4. None of the mentioned ANSWER: B

A virtual server is a form of virtualization software that emulates:

1. Virtual network
2. Physical Server
3. IT Resource
4. None of the mentioned ANSWER: B

Which mechanism is used to replicate several instances of a virtual server, using a stored virtual server image.

1. Hyperviser
2. Virtualization
3. Cloud Auditor
4. None of the mentioned ANSWER: A

Internet works on

1. packet switching
2. circuit switching
3. both packet switching and circuit switching
4. data switching ANSWER: A

Which protocol assigns IP address to the client connected in the internet?

1. DHCP
2. IP
3. RPC
4. RSVP ANSWER: A

A is an extension of an enterprise’s private intranet across a public network such as the internet, creating a secure private connection.

1. VNP
2. VPN
3. VSN
4. VSPN ANSWER: B

Which of the following is false with respect to UDP?

1. Connection-oriented
2. Unreliable
3. Transport layer protocol
4. Low overhead ANSWER: A

What is the main advantage of UDP?

1. More overload
2. Reliable
3. Low overhead
4. Fast ANSWER: C

Which of the following is false with respect to TCP?

1. Connection-oriented
2. Process-to-process
3. Transport layer protocol
4. Unreliable ANSWER: D

In TCP, sending and receiving data is done as

1. Stream of bytes
2. Sequence of characters
3. Lines of data
4. Packets ANSWER: A

The physical layer is concerned with

1. bit-by-bit delivery
2. process to process delivery
3. application to application delivery
4. port to port delivery ANSWER: A

The data link layer takes the packets from and encapsulates them into frames for transmission.

1. network layer
2. physical layer
3. transport layer
4. application layer ANSWER: A

The network layer is concerned with of data.

1. bits
2. frames
3. packets
4. bytes ANSWER: C

Transport layer aggregates data from different applications into a single stream before passing it to

1. network layer
2. data link layer
3. application layer
4. physical layer ANSWER: A

Which of the following are transport layer protocols used in networking?

1. TCP and FTP
2. UDP and HTTP
3. TCP and UDP
4. HTTP and FTP ANSWER: C

This is a repository for the storage, management, and dissemination of data in which the mechanical, lighting, electrical and computer systems are designed for maximum energy efficiency and minimum environmental impact.

1. Storage lab
2. Data Center
3. Data warehouse
4. Fabric ANSWER: B

Which three statements describe differences between Storage Area Network (SAN) and Network Attached Storage (NAS) solutions? Choose three.

1. SAN is generally more expensive but provides higher performance
2. NAS uses TCP/IP for communication between hosts and the NAS server
3. NAS requires additional hardware on a host: a host bus adapter for connectivity
4. SAN uses proprietary protocols for communication between hosts and the SAN fabric
5. i,ii, iii
6. i, ii, iv
7. ii, iii, iv
8. i, ii, iii ANSWER: B

Resource is defined as the creation of multiple instances of the same IT resource.

1. Management
2. Provisioning
3. Replication
4. Allocation ANSWER: C

A virtual server is a form of virtualization software that emulates:

1. Virtual network
2. Physical Server
3. IT Resource
4. None of the mentioned ANSWER: B

Which mechanism is used to replicate several instances of a virtual server, using a stored virtual server image.

1. Hyperviser
2. Virtualization
3. Cloud Auditor
4. None of the mentioned ANSWER: A

Which of the following type of virtualization is also characteristic of cloud computing?

1. Storage
2. Application
3. CPU
4. All of the mentioned ANSWER: D

An IT resource that actively filters network traffic to and from the isolated network while controlling its interactions with the Internet.

1. Virtual Firewall
2. Virtual Network
3. Both of the mentioned
4. None of the mentioned ANSWER: A

Point out the correct statement.

* 1. A virtual machine is a computer that is walled off from the physical computer that the virtual machine

is running on

* 1. Virtual machines provide the capability of running multiple machine instances, each with their own operating system
  2. The downside of virtual machine technologies is that having resources indirectly addressed means there is some level of overhead
  3. All of the mentioned ANSWER: D

What is the full form of "FTP"?

1. File Tranmitting Protocol
2. File Transfer Protocol
3. Fast Transfer Protocol
4. Fast Transmitting Project ANSWER: B

What is the full form of "HTTP"?

1. High Transfer Terra Page
2. Higher Transfer Technology Protocol
3. Hypertext Transfer Protocol
4. Hive Type Terminal Protocol

What is the full form of "ISP"?

1. Internet Service Provider
2. Internal Service Processor
3. International Server Provider
4. Internet System Processor ANSWER: A

What is the full form of "OSI"?

1. Organisational Server Interface
2. Open Server Interconnection
3. Operating System Interface
4. Open System Interconnection ANSWER: D

What is the full form of "SMTP"?

1. Structured Mail Transfer Protocol
2. Simple Mail Transmitting Protocol
3. Simple Mail Transfer Protocol
4. Server Mail Transfer Protocol ANSWER: C

In SAN storage model, the operating system view storage resources as —— devices

1. FC
2. SCSI
3. SAN
4. None of the mentioned ANSWER: B

All cloud computing applications suffer from the inherent that is intrinsic in their WAN connectivity.

1. Propagation
2. Latency
3. Noise
4. All of the mentioned ANSWER: B

Which term best describes the ability to rapidly increase user accounts for a given cloud service?

1. Volatility
2. Synchronicity
3. Viability
4. Elasticity ANSWER: D

Your company runs a virtualized web application server in-house. You decide to make the web applications available over the Internet through a cloud provider. Which method represents the quickest way to accomplish this?

1. Create a new cloud server, install web services, and install and configure web applications.
2. Create a new cloud server, install web services, and import web application data.
3. Migrate your in-house web application server to the cloud.
4. This cannot be done — only generic applications are available through the cloud.

ANSWER: C

Purchasing software and providing it to a third party that installs and manages that software is an example of which of the following?

1. Virtualization
2. Application service provider
3. Platform as a service
4. Private cloud ANSWER: B

You are the IT director for a retail clothing outlet. Your competitors are using Internet-delivered inventory, storage, and backup solutions from a specific provider. You conclude it is best that your company use the same services from the same provider. What type of cloud will you be subscribing to?

1. Community cloud
2. Retail cloud
3. Private cloud
4. Public cloud ANSWER: A

As a developer for a software company, you have decided to build and test your web applications in a cloud environment. Which type of cloud service best meets your needs?

1. PaaS
2. SaaS
3. IaaS
4. Xaas ANSWER: A

What cloud computing characteristic ensures services and data are always reachable?

1. Confidentiality
2. Integrity
3. Availability
4. Scalability ANSWER: C

You must ensure that your business computing resources can quickly grow as business demands change. Which of the following allows this?

1. Confidentiality
2. Integrity
3. Availability
4. Scalability ANSWER: D

Which of the following is most important area of concern in cloud computing ?

1. Security
2. Storage
3. Scalability
4. None ANSWER: A

Which of the following is one of the unique attribute of Cloud Computing ?

1. utility type of delivery
2. elasticity
3. low barrier to entry
4. all of the above ANSWER: D

Which of the following cloud concept is related to pooling and sharing of resources ?

1. Polymorphism
2. Virtualization
3. Abstraction
4. None of the mentioned ANSWER: B

Point out the wrong statement :

1. A cloud is defined as the combination of the infrastructure of a datacenter with the ability to provision hardware and software
2. High touch applications are best done on-premises
3. The Google App Engine follows IaaS
4. All of the above ANSWER: C

----------- model consists of the particular types of services that you can access on a cloud computing platform.

1. Service
2. Deployment
3. Application
4. None of the mentioned ANSWER: A

----------- refers to the location and management of the cloud’s infrastructure.

1. Service
2. Deployment
3. Application
4. None of the mentioned ANSWER: B

Which of the following is the deployment model?

1. public
2. private
3. hybrid
4. all of the mentioned

ANSWER: D

Point out the correct statement.

1. A deployment model defines the purpose of the cloud and the nature of how the cloud is located
2. Service model defines the purpose of the cloud and the nature of how the cloud is located
3. Cloud Square Model is meant to show is that the traditional notion of a network boundary being the network’s firewall no longer applies in cloud computing
4. All of the mentioned ANSWER: A

The ------- cloud infrastructure is operated for the exclusive use of an organization.

1. Public
2. Private
3. Community
4. All of the mentioned ANSWER: B

----------- provides virtual machines, virtual storage, virtual infrastructure, and other hardware assets.

1. IaaS
2. SaaS
3. PaaS
4. All of the mentioned ANSWER: A

Point out the wrong statement.

1. A PaaS service adds integration features, middleware, and other orchestration and choreography services to the IaaS model
2. XaaS or ‘anything as a service’ is the delivery of IT as a Service through hybrid Cloud computing
3. Monitoring as a Service (MaaS) is at present still an emerging piece of the Cloud jigsaw
4. None of the mentioned ANSWER: D

With cloud computing services, hardware purchases, software purchases, and IT support are the responsibility of whom?

1. Internet service provider
2. RraaS provider
3. SaaS provider
4. Application service provider ANSWER: C

When you add a software stack, such as an operating system and applications to the service, the model shifts to model.

1. SaaS
2. PaaS
3. IaaS
4. All of the mentioned ANSWER: A

Which of the following is most refined and restrictive service model ?

1. IaaS
2. CaaS
3. PaaS
4. All of the mentioned ANSWER: C

All cloud computing applications suffer from the inherent that is intrinsic in

their WAN connectivity.

1. propagation
2. latency
3. noise
4. All of the mentioned ANSWER: B

Cloud computing is a system and it is necessarily unidirectional in nature.

1. stateless
2. stateful
3. reliable
4. None of the above ANSWER: A

Which of the following is best known service model ?

1. SaaS
2. IaaS
3. PaaS
4. All of the mentioned ANSWER: D

Which of the following is related to service provided by Cloud ?

1. Sourcing
2. Ownership
3. Reliability
4. AaaS ANSWER: A

----------- is a complete operating environment with applications, management, and the user interface.

1. IaaS
2. SaaS
3. PaaS
4. All of the mentioned ANSWER: B

Which of the following cloud concept is related to pooling and sharing of resources ?

1. Polymorphism
2. Abstraction
3. Virtualization
4. None of the mentioned ANSWER: C

A Level Agreement (SLA) is the contract for performance negotiated between you and a service provider.

1. Service
2. Application
3. Deployment
4. All of the mentioned ANSWER: A

Which of the following is specified parameter of SLA ?

1. Response times
2. Responsibilities of each party
3. Warranties
4. All of the mentioned ANSWER: D

Which of the architectural layer is used as backend in cloud computing ?

1. client
2. cloud
3. soft
4. All of the mentioned ANSWER: B

A--------- cloud requires virtualized storage to support the staging and storage of data.

1. soft
2. compute
3. local
4. None of the mentioned ANSWER: B

Point out the wrong statement :

1. Virtual appliances are becoming a very important standard cloud computing deployment object
2. Cloud computing requires some standard protocols
3. Cloud computing relies on a set of protocols needed to manage interprocess communications
4. None of the mentioned ANSWER: D

Which of the following is Cloud Platform by Amazon ?

1. Azure
2. AWS
3. Cloudera
4. All of the mentioned ANSWER: D

Cloud computing is an abstraction based on the notion of pooling physical resources and presenting them as a resource.

1. real
2. virtual
3. cloud
4. None of the mentioned ANSWER: B

Which of the following cloud concept is related to pooling and sharing of resources ?

1. Polymorphism
2. Abstraction
3. Virtualization
4. None of the mentioned ANSWER:C

Which of the following type of virtualization is also characteristic of cloud computing?

1. Storage
2. Application
3. CPU
4. All of the Above ANSWER: D

What facet of cloud computing helps to guard against downtime and determines costs?

1. Service-level agreements
2. Application programming interfaces
3. Virtual private networks
4. Bandwidth fees ANSWER: A

Cloud Services have a relationship with their customers.

1. Many-to-many
2. One-to-many
3. One-to-one
4. None of the Name ANSWER: B

What’s the most popular use case for public cloud computing today?

1. Test and development
2. Website hosting
3. Disaster recovery
4. Business analytics ANSWER: A

Virtual Machine Ware (VMware) is an example of

1. Infrastructure Service
2. Platform Service
3. Software Service
4. None of the above ANSWER: A

Geographic distribution of data across a cloud provider's network is a problem for many enterprises because it:

1. Makes data recovery harder
2. Adds latency
3. Raises security concerns
4. Breaks compliance regulations ANSWER: A

Amazon Web Services is which type of cloud computing distribution model?

1. Software as a Service
2. Platform as a Service
3. Infrastructure as a Service
4. Software software as a service ANSWER: C

Cloud computing networks are designed to support only private or hybrid clouds.

1. True
2. False ANSWER: B

A good cloud computing network can be adjusted to provide bandwidth on demand.

1. True
2. False ANSWER: A

A larger cloud network can be built as either a layer 3 or layer 4 network.

1. True
2. False ANSWER: B

The typical three-layer switching topology will not create latency within a cloud network.

1. True
2. False ANSWER: B

The term 'Cloud' in cloud-computing refers to .

1. The Internet
2. Cumulus Clouds
3. A Computer
4. Thin Clients ANSWER: A

------------allows different operating systems to run in their own memory space.

1. VVM
2. VMC
3. VMM
4. All of the mentioned ANSWER: C

----------- as a Service is a cloud computing infrastructure that creates a development environment upon which applications may be build.

1. Infrastructure
2. Platform
3. Service
4. All of the mentioned ANSWER: B

Which of the following cloud concept is related to pooling and sharing of resources ?

1. Polymorphism
2. Abstraction
3. Virtualization
4. None of the mentioned ANSWER: C

Logical Network Perimeter can be implemented to

1. isolate IT resources in a cloud from non-authorized users
2. isolate IT resources in a cloud from non-users
3. isolate IT resources in a cloud from cloud consumers
4. all of the above Answer: D

A -------- is a form of virtualization software that emaluates a physical server.

1. virtual server
2. physical server
3. hybrid server
4. none of the above Answer: A

Point out the wrong statement.

1. Abstraction enables the key benefit of cloud computing: shared, ubiquitous access
2. Virtualization assigns a logical name for a physical resource and then provides a pointer to that physical resource when a request is made
3. All cloud computing applications combine their resources into pools that can be assigned on demand to users
4. All of the mentioned ANSWER: C

Which of the following type of virtualization is also characteristic of cloud computing?

1. Storage
2. Application
3. CPU
4. All of the mentioned ANSWER: D

Point out the correct statement.

1. A client can request access to a cloud service from any location
2. A cloud has multiple application instances and directs requests to an instance based on conditions
3. Computers can be partitioned into a set of virtual machines with each machine being assigned a workload
4. All of the mentioned ANSWER: D

Which of the following network resources can be load balanced?

1. Connections through intelligent switches
2. DNS
3. Storage resources
4. All of the mentioned ANSWER: D

Which of the following type of virtualization is also characteristic of cloud computing ?

1. Storage
2. Application
3. CPU
4. All of the mentioned ANSWER: D

Point out the correct statement :

1. A client can request access to a cloud service from any location
2. A cloud has multiple application instances and directs requests to an instance based on conditions
3. Computers can be partitioned into a set of virtual machines with each machine being assigned a workload
4. All of the mentioned

ANSWER: D

Which of the following is another name for system virtual machine ? A hardware virtual machine

1. software virtual machine
2. real machine
3. None of the mentioned ANSWER: A

A is a form of virtualization software that emaluates a physical server.

1. virtual server
2. physical server
3. hybrid server
4. none of the above ANSWER: A

The IT resource that isolates the network environment within the data center infrastructure is called:

1. Virtual Firewall
2. Virtual Network
3. Both of the mentioned
4. None of the mentioned ANSWER: B

A virtual server is a form of virtualization software that emulates:

1. Virtual network
2. Physical Server
3. IT Resource
4. None of the mentioned ANSWER: B

Which mechanism is used to replicate several instances of a virtual server, using a stored virtual server image.

1. Hyperviser
2. Virtualization
3. Cloud Auditor
4. None of the mentioned ANSWER: A

Internet works on

1. packet switching
2. circuit switching
3. both packet switching and circuit switching
4. data switching ANSWER: A

Which protocol assigns IP address to the client connected in the internet?

1. DHCP
2. IP
3. RPC
4. RSVP ANSWER: A

A -------- is an extension of an enterprise’s private intranet across a public network such as the internet, creating a secure private connection.

1. VNP
2. VPN
3. VSN
4. VSPN ANSWER: B

Which of the following is false with respect to UDP?

1. Connection-oriented
2. Unreliable
3. Transport layer protocol
4. Low overhead ANSWER: A

What is the main advantage of UDP?

1. More overload
2. Reliable
3. Low overhead
4. Fast ANSWER: C

Which of the following is false with respect to TCP?

1. Connection-oriented
2. Process-to-process
3. Transport layer protocol
4. Unreliable ANSWER: D

In TCP, sending and receiving data is done as

1. Stream of bytes
2. Sequence of characters
3. Lines of data
4. Packets

ANSWER: A

The physical layer is concerned with

1. bit-by-bit delivery
2. process to process delivery
3. application to application delivery
4. port to port delivery ANSWER: A

The data link layer takes the packets from and encapsulates them into

frames for transmission.

1. network layer
2. physical layer
3. transport layer
4. application layer ANSWER: A

The network layer is concerned with of data.

1. bits
2. frames
3. packets
4. bytes ANSWER: C

Transport layer aggregates data from different applications into a single stream before passing it to

1. network layer
2. data link layer
3. application layer
4. physical layer ANSWER: A

Which of the following are transport layer protocols used in networking?

1. TCP and FTP
2. UDP and HTTP
3. TCP and UDP
4. HTTP and FTP ANSWER: C

This is a repository for the storage, management, and dissemination of data in which the mechanical, lighting, electrical and computer systems are designed for maximum energy efficiency and minimum environmental impact.

1. Storage lab
2. Data Center
3. Data warehouse
4. Fabric ANSWER: B

Which three statements describe differences between Storage Area Network (SAN) and Network Attached Storage (NAS) solutions? Choose three.

1. SAN is generally more expensive but provides higher performance
2. NAS uses TCP/IP for communication between hosts and the NAS server
3. NAS requires additional hardware on a host: a host bus adapter for connectivity
4. SAN uses proprietary protocols for communication between hosts and the SAN fabric
5. i,ii, iii
6. i, ii, iv
7. ii, iii, iv
8. i, ii, iii ANSWER: B

Resource is defined as the creation of multiple instances of the same IT resource.

1. Management
2. Provisioning
3. Replication
4. Allocation ANSWER: C

A virtual server is a form of virtualization software that emulates:

1. Virtual network
2. Physical Server
3. IT Resource
4. None of the mentioned ANSWER: B

Which mechanism is used to replicate several instances of a virtual server, using a stored virtual server image.

1. Hyperviser
2. Virtualization
3. Cloud Auditor
4. None of the mentioned ANSWER: A

Which of the following type of virtualization is also characteristic of cloud computing?

1. Storage
2. Application
3. CPU
4. All of the mentioned ANSWER: D

An IT resource that actively filters network traffic to and from the isolated network while controlling its interactions with the Internet.

1. Virtual Firewall
2. Virtual Network
3. Both of the mentioned
4. None of the mentioned ANSWER: A

Point out the correct statement.

* 1. A virtual machine is a computer that is walled off from the physical computer that the virtual machine is running on
  2. Virtual machines provide the capability of running multiple machine instances, each with their own operating system
  3. The downside of virtual machine technologies is that having resources indirectly addressed means there is some level of overhead
  4. All of the mentioned ANSWER: D

What is the full form of "FTP"?

1. File Tranmitting Protocol
2. File Transfer Protocol
3. Fast Transfer Protocol
4. Fast Transmitting Project ANSWER: B

What is the full form of "HTTP"?

1. High Transfer Terra Page
2. Higher Transfer Technology Protocol
3. Hypertext Transfer Protocol
4. Hive Type Terminal Protocol ANSWER C

What is the full form of "ISP"?

1. Internet Service Provider
2. Internal Service Processor
3. International Server Provider
4. Internet System Processor ANSWER: A

What is the full form of "OSI"?

1. Organisational Server Interface
2. Open Server Interconnection
3. Operating System Interface
4. Open System Interconnection ANSWER: D

What is the full form of "SMTP"?

1. Structured Mail Transfer Protocol
2. Simple Mail Transmitting Protocol
3. Simple Mail Transfer Protocol
4. Server Mail Transfer Protocol ANSWER: C

In SAN storage model, the operating system view storage resources as —— devices

1. FC
2. SCSI
3. SAN
4. None of the mentioned ANSWER: B
5. All cloud computing applications suffer from the inherent that is intrinsic in their WAN connectivity.
6. Propagation
7. Latency
8. Noise
9. All of the mentioned ANSWER B
10. Which term best describes the ability to rapidly increase user accounts for a given cloud service?
11. Volatility
12. Synchronicity
13. Viability
14. Elasticity ANSWER D
15. Your company runs a virtualized web application server in-house. You decide to make the web applications available over the Internet through a cloud provider. Which method represents the quickest way to accomplish this?
16. Create a new cloud server, install web services, and install and configure web applications.
17. Create a new cloud server, install web services, and import web application data.
18. Migrate your in-house web application server to the cloud.
19. This cannot be done — only generic applications are available through the cloud.

ANSWER C

1. Purchasing software and providing it to a third party that installs and manages that software is an example of which of the following?
2. Virtualization
3. Application service provider
4. Platform as a service
5. Private cloud ANSWER B
6. You are the IT director for a retail clothing outlet. Your competitors are using Internet-delivered inventory, storage, and backup solutions from a specific provider. You conclude it is best that your company use the same services from the same provider. What type of cloud will you be subscribing to?
7. Community cloud
8. Retail cloud
9. Private cloud
10. Public cloud ANSWER A
11. As a developer for a software company, you have decided to build and test your web applications in a cloud environment. Which type of cloud service best meets your needs?
12. PaaS
13. SaaS
14. IaaS
15. Xaas ANSWER A
16. What cloud computing characteristic ensures services and data are always reachable?
17. Confidentiality
18. Integrity
19. Availability
20. Scalability ANSWER C
21. You must ensure that your business computing resources can quickly grow as business demands change. Which of the following allows this?
22. Confidentiality
23. Integrity
24. Availability
25. Scalability ANSWER D
26. Which of the following is most important area of concern in cloud computing ?
27. Security
28. Storage
29. Scalability
30. None ANSWER A
31. Which of the following is one of the unique attribute of Cloud Computing ?
32. utility type of delivery
33. elasticity
34. low barrier to entry
35. all of the above ANSWER D
36. Which of the following cloud concept is related to pooling and sharing of resources ?
37. Polymorphism
38. Virtualization
39. Abstraction
40. None of the mentioned ANSWER B
41. Point out the wrong statement :
42. A cloud is defined as the combination of the infrastructure of a datacenter with the ability to provision hardware and software
43. High touch applications are best done on-premises
44. The Google App Engine follows IaaS
45. All of the above ANSWER C
46. model consists of the particular types of services that you can access on a cloud computing platform.
47. Service
48. Deployment
49. Application
50. None of the mentioned ANSWER A
51. refers to the location and management of the cloud’s infrastructure.
52. Service
53. Deployment
54. Application
55. None of the mentioned ANSWER B
56. Which of the following is the deployment model?
57. public
58. private
59. hybrid
60. all of the mentioned ANSWER D
61. Point out the correct statement.
62. A deployment model defines the purpose of the cloud and the nature of how the cloud is located
63. Service model defines the purpose of the cloud and the nature of how the cloud is located
64. Cloud Square Model is meant to show is that the traditional notion of a network boundary being the network’s firewall no longer applies in cloud computing
65. All of the mentioned ANSWER A
66. The cloud infrastructure is operated for the exclusive use of an organization.
67. Public
68. Private
69. Community
70. All of the mentioned ANSWER B
71. provides virtual machines, virtual storage, virtual infrastructure, and other hardware assets.
72. IaaS
73. SaaS
74. PaaS
75. All of the mentioned ANSWER A
76. Point out the wrong statement.
77. A PaaS service adds integration features, middleware, and other orchestration and choreography services to the IaaS model
78. XaaS or ‘anything as a service’ is the delivery of IT as a Service through hybrid Cloud computing
79. Monitoring as a Service (MaaS) is at present still an emerging piece of the Cloud jigsaw
80. None of the mentioned ANSWER D
81. With cloud computing services, hardware purchases, software purchases, and IT support are the responsibility of whom?
82. Internet service provider
83. RraaS provider
84. SaaS provider
85. Application service provider ANSWER C
86. When you add a software stack, such as an operating system and applications to the service, the model shifts to model.
87. SaaS
88. PaaS
89. IaaS
90. All of the mentioned ANSWER A
91. Which of the following is most refined and restrictive service model ?
92. IaaS
93. CaaS
94. PaaS
95. All of the mentioned ANSWER C
96. All cloud computing applications suffer from the inherent that is intrinsic in their WAN connectivity.
97. propagation
98. latency
99. noise
100. All of the mentioned ANSWER B
101. Cloud computing is a system and it is necessarily unidirectional in nature.
102. stateless
103. stateful
104. reliable
105. None of the above ANSWER A
106. Which of the following is best known service model ?
107. SaaS
108. IaaS
109. PaaS
110. All of the mentioned ANSWER D
111. Which of the following is related to service provided by Cloud ?
112. Sourcing
113. Ownership
114. Reliability
115. AaaS ANSWER A
116. is a complete operating environment with applications, management, and the user interface.
117. IaaS
118. SaaS
119. PaaS
120. All of the mentioned ANSWER B
121. Which of the following cloud concept is related to pooling and sharing of resources ?
122. Polymorphism
123. Abstraction
124. Virtualization
125. None of the mentioned ANSWER C
126. A Level Agreement (SLA) is the contract for performance negotiated between you and a service provider.
127. Service
128. Application
129. Deployment
130. All of the mentioned ANSWER A
131. Which of the following is specified parameter of SLA ?
132. Response times
133. Responsibilities of each party
134. Warranties
135. All of the mentioned ANSWER D
136. Which of the architectural layer is used as backend in cloud computing ?
137. client
138. cloud
139. soft
140. All of the mentioned ANSWER B
141. A cloud requires virtualized storage to support the staging and storage of data.
142. soft
143. compute
144. local
145. None of the mentioned ANSWER B
146. Point out the wrong statement :
147. Virtual appliances are becoming a very important standard cloud computing deployment object
148. Cloud computing requires some standard protocols
149. Cloud computing relies on a set of protocols needed to manage interprocess communications
150. None of the mentioned ANSWER D
151. Which of the following is Cloud Platform by Amazon ?
152. Azure
153. AWS
154. Cloudera
155. All of the mentioned ANSWER B
156. Cloud computing is an abstraction based on the notion of pooling physical resources and presenting them as a resource.
157. real
158. virtual
159. cloud
160. None of the mentioned ANSWER B
161. Which of the following cloud concept is related to pooling and sharing of resources ?
162. Polymorphism
163. Abstraction
164. Virtualization
165. None of the mentioned ANSWER C
166. Which of the following type of virtualization is also characteristic of cloud computing?
167. Storage
168. Application
169. CPU
170. All of the Above ANSWER D
171. What facet of cloud computing helps to guard against downtime and determines costs?
172. Service-level agreements
173. Application programming interfaces
174. Virtual private networks
175. Bandwidth fees ANSWER A
176. Cloud Services have a relationship with their customers.
177. Many-to-many
178. One-to-many
179. One-to-one
180. None of the Name ANSWER B
181. What’s the most popular use case for public cloud computing today?
182. Test and development
183. Website hosting
184. Disaster recovery
185. Business analytics ANSWER A
186. Virtual Machine Ware (VMware) is an example of
187. Infrastructure Service
188. Platform Service
189. Software Service
190. None of the above ANSWER A
191. Geographic distribution of data across a cloud provider's network is a problem for many enterprises because it:
192. Makes data recovery harder
193. Adds latency
194. Raises security concerns
195. Breaks compliance regulations ANSWER D
196. Amazon Web Services is which type of cloud computing distribution model?
197. Software as a Service
198. Platform as a Service
199. Infrastructure as a Service
200. Software software as a service ANSWER C
201. Cloud computing networks are designed to support only private or hybrid clouds.
202. True
203. False ANSWER B
204. A good cloud computing network can be adjusted to provide bandwidth on demand.
205. True
206. False ANSWER A
207. A larger cloud network can be built as either a layer 3 or layer 4 network.
208. True
209. False ANSWER B
210. The typical three-layer switching topology will not create latency within a cloud network.
211. True
212. False

ANSWER B

1. The term 'Cloud' in cloud-computing refers to .
2. The Internet
3. Cumulus Clouds
4. A Computer
5. Thin Clients ANSWER A
6. allows different operating systems to run in their own memory space.
7. VVM
8. VMC
9. VMM
10. All of the mentioned ANSWER C
11. as a Service is a cloud computing infrastructure that creates a development environment upon which applications may be build.
12. Infrastructure
13. Platform
14. Service
15. All of the mentioned ANSWER B
16. Which of the following cloud concept is related to pooling and sharing of resources ?
17. Polymorphism
18. Abstraction
19. Virtualization
20. None of the mentioned ANSWER C
21. Logical Network Perimeter can be implemented to
22. isolate IT resources in a cloud from non-authorized users
23. isolate IT resources in a cloud from non-users
24. isolate IT resources in a cloud from cloud consumers
25. all of the above

ANSWER D

1. A is a form of virtualization software that emaluates a physical server.
2. virtual server
3. physical server
4. hybrid server
5. none of the above ANSWER A
6. Point out the wrong statement.
7. Abstraction enables the key benefit of cloud computing: shared, ubiquitous access
8. Virtualization assigns a logical name for a physical resource and then provides a pointer to that physical resource then a request is made
9. All cloud computing applications combine their resources into pools that can be assigned on demand to users
10. All of the mentioned ANSWER C
11. Which of the following type of virtualization is also characteristic of cloud computing?
12. Storage
13. Application
14. CPU
15. All of the mentioned ANSWER D
16. Point out the correct statement.
17. A client can request access to a cloud service from any location
18. A cloud has multiple application instances and directs requests to an instance based on conditions
19. Computers can be partitioned into a set of virtual machines with each machine being assigned a workload
20. All of the mentioned ANSWER D
21. Which of the following network resources can be load balanced?
22. Connections through intelligent switches
23. DNS
24. Storage resources
25. All of the mentioned ANSWER D
26. Which of the following type of virtualization is also characteristic of cloud computing ?
27. Storage
28. Application
29. CPU
30. All of the mentioned ANSWER D
31. Point out the correct statement :
32. A client can request access to a cloud service from any location
33. A cloud has multiple application instances and directs requests to an instance based on conditions
34. Computers can be partitioned into a set of virtual machines with each machine being assigned a workload
35. All of the mentioned ANSWER D
36. Which of the following is another name for system virtual machine ?
37. A hardware virtual machine
38. B) software virtual machine
39. C) real machine
40. D) None of the mentioned ANSWER A
41. A is a form of virtualization software that emaluates a physical server.
42. virtual server
43. physical server
44. hybrid server
45. none of the above ANSWER A
46. The IT resource that isolates the network environment within the data center infrastructure is called:
47. Virtual Firewall
48. Virtual Network
49. Both of the mentioned
50. None of the mentioned ANSWER B
51. A virtual server is a form of virtualization software that emulates:
52. Virtual network
53. Physical Server
54. IT Resource
55. None of the mentioned ANSWER B
56. Which mechanism is used to replicate several instances of a virtual server, using a stored virtual server image.
57. Hyperviser
58. Virtualization
59. Cloud Auditor
60. None of the mentioned ANSWER A
61. Internet works on
62. packet switching
63. circuit switching
64. both packet switching and circuit switching
65. data switching ANSWER A
66. Which protocol assigns IP address to the client connected in the internet?
67. DHCP
68. IP
69. RPC
70. RSVP ANSWER A
71. A is an extension of an enterprise’s private intranet across a public network such as the internet, creating a secure private connection.
72. VNP
73. VPN
74. VSN
75. VSPN ANSWER B
76. Which of the following is false with respect to UDP?
77. Connection-oriented
78. Unreliable
79. Transport layer protocol
80. Low overhead ANSWER A
81. What is the main advantage of UDP?
82. More overload
83. Reliable
84. Low overhead
85. Fast ANSWER C
86. Which of the following is false with respect to TCP?
87. Connection-oriented
88. Process-to-process
89. Transport layer protocol
90. Unreliable ANSWER D
91. In TCP, sending and receiving data is done as
92. Stream of bytes
93. Sequence of characters
94. Lines of data
95. Packets ANSWER A
96. The physical layer is concerned with
97. bit-by-bit delivery
98. process to process delivery
99. application to application delivery
100. port to port delivery ANSWER A
101. The data link layer takes the packets from and encapsulates them into frames for transmission.
102. network layer
103. physical layer
104. transport layer
105. application layer ANSWER A
106. The network layer is concerned with of data.
107. bits
108. frames
109. packets
110. bytes ANSWER C
111. Transport layer aggregates data from different applications into a single stream before passing it to
112. network layer
113. data link layer
114. application layer
115. physical layer ANSWER A
116. Which of the following are transport layer protocols used in networking?
117. TCP and FTP
118. UDP and HTTP
119. TCP and UDP
120. HTTP and FTP ANSWER C
121. This is a repository for the storage, management, and dissemination of data in which the mechanical, lighting, electrical and computer systems are designed for maximum energy efficiency and minimum environmental impact.
122. Storage lab
123. Data Center
124. Data warehouse
125. Fabric ANSWER B
126. Which three statements describe differences between Storage Area Network (SAN) and Network Attached Storage (NAS) solutions? Choose three.
127. SAN is generally more expensive but provides higher performance
128. NAS uses TCP/IP for communication between hosts and the NAS server
129. NAS requires additional hardware on a host: a host bus adapter for connectivity
130. SAN uses proprietary protocols for communication between hosts and the SAN fabric
131. i,ii, iii
132. i, ii, iv
133. ii, iii, iv
134. i, ii, iii ANSWER B
135. Resource is defined as the creation of multiple instances of the same IT resource.
136. Management
137. Provisioning
138. Replication
139. Allocation ANSWER C
140. A virtual server is a form of virtualization software that emulates:
141. Virtual network
142. Physical Server
143. IT Resource
144. None of the mentioned ANSWER B
145. Which mechanism is used to replicate several instances of a virtual server, using a stored virtual server image.
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148. Cloud Auditor
149. None of the mentioned ANSWER A
150. Which of the following type of virtualization is also characteristic of cloud computing?
151. Storage
152. Application
153. CPU
154. All of the mentioned ANSWER D
155. An IT resource that actively filters network traffic to and from the isolated network while controlling its interactions with the Internet.
156. Virtual Firewall
157. Virtual Network
158. Both of the mentioned
159. None of the mentioned ANSWER A
160. Point out the correct statement.
161. virtual machine is a computer that is walled off from the physical computer that the virtual machineis running on
162. Virtual machines provide the capability of running multiple machine instances, each with their own operating system
163. The downside of virtual machine technologies is that having resources indirectly addressed means there is some level of overhead
164. All of the mentioned ANSWER D
165. What is the full form of "FTP"?
166. File Tranmitting Protocol
167. File Transfer Protocol
168. Fast Transfer Protocol
169. Fast Transmitting Project ANSWER B
170. What is the full form of "HTTP"?
171. High Transfer Terra Page
172. Higher Transfer Technology Protocol
173. Hypertext Transfer Protocol
174. Hive Type Terminal Protocol ANSWER C
175. What is the full form of "ISP"?
176. Internet Service Provider
177. Internal Service Processor
178. International Server Provider
179. Internet System Processor ANSWER A
180. What is the full form of "OSI"?
181. Organisational Server Interface
182. Open Server Interconnection
183. Operating System Interface
184. Open System Interconnection ANSWER D
185. What is the full form of "SMTP"?
186. Structured Mail Transfer Protocol
187. Simple Mail Transmitting Protocol
188. Simple Mail Transfer Protocol
189. Server Mail Transfer Protocol ANSWER C
190. In SAN storage model, the operating system view storage resources as

—— devices

1. FC
2. SCSI
3. SAN
4. None of the mentioned ANSWER B

A is a form of virtualization software that emaluates a physical server

1. virtual server
2. physical server
3. hybrid server
4. none of the above ANSWER: A

The IT resource that isolates the network environment within the data center infrastructure is called:

1. Virtual Firewall
2. Virtual Network
3. Both of the mentioned
4. None of the mentioned ANSWER: B

A virtual server is a form of virtualization software that emulates:

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2. Physical Server
3. IT Resource
4. None of the mentioned ANSWER: B

Which mechanism is used to replicate several instances of a virtual server, using a stored virtual server image.

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2. VPN
3. VSN
4. VSPN ANSWER: B

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2. Unreliable
3. Transport layer protocol
4. Low overhead ANSWER: A

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2. Reliable
3. Low overhead
4. Fast ANSWER: C

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2. physical layer
3. transport layer
4. application layer ANSWER: A

The network layer is concerned with of data.

1. bits
2. frames
3. packets
4. bytes

ANSWER: C

Transport layer aggregates data from different applications into a single stream before passing it to

1. network layer
2. data link layer
3. application layer
4. physical layer ANSWER: A

Which of the following are transport layer protocols used in networking?

1. TCP and FTP
2. UDP and HTTP
3. TCP and UDP
4. HTTP and FTP ANSWER: C

This is a repository for the storage, management, and dissemination of data in which the mechanical, lighting, electrical and computer systems are designed for maximum energy efficiency and minimum environmental impact.

1. Storage lab
2. Data Center
3. Data warehouse
4. Fabric ANSWER: B

Which three statements describe differences between Storage Area Network (SAN) and Network Attached Storage (NAS) solutions? Choose three.

1. SAN is generally more expensive but provides higher performance
2. NAS uses TCP/IP for communication between hosts and the NAS server
3. NAS requires additional hardware on a host: a host bus adapter for connectivity
4. SAN uses proprietary protocols for communication between hosts and the SAN fabric
5. i,ii, iii
6. i, ii, iv
7. ii, iii, iv
8. i, ii, iii ANSWER: B

Resource is defined as the creation of multiple instances of the same IT resource.

1. Management
2. Provisioning
3. Replication
4. Allocation ANSWER: C

A virtual server is a form of virtualization software that emulates:

1. Virtual network
2. Physical Server
3. IT Resource
4. None of the mentioned ANSWER: B

Which mechanism is used to replicate several instances of a virtual server, using a stored virtual server image.

1. Hyperviser
2. Virtualization
3. Cloud Auditor
4. None of the mentioned ANSWER: A

Which of the following type of virtualization is also characteristic of cloud computing?

1. Storage
2. Application
3. CPU
4. All of the mentioned ANSWER: D

An IT resource that actively filters network traffic to and from the isolated network while controlling its interactions with the Internet.

1. Virtual Firewall
2. Virtual Network
3. Both of the mentioned
4. None of the mentioned ANSWER: A

Point out the correct statement.

1. A virtual machine is a computer that is walled off from the physical computer that the virtual machine

is running on

1. Virtual machines provide the capability of running multiple machine instances, each with their own operating system
2. The downside of virtual machine technologies is that having resources indirectly addressed means there is some level of overhead
3. All of the mentioned ANSWER: D

What is the full form of "FTP"?

1. File Tranmitting Protocol
2. File Transfer Protocol
3. Fast Transfer Protocol
4. Fast Transmitting Project ANSWER: B

What is the full form of "HTTP"?

1. High Transfer Terra Page
2. Higher Transfer Technology Protocol
3. Hypertext Transfer Protocol
4. Hive Type Terminal Protocol ANSWER: C

What is the full form of "ISP"?

1. Internet Service Provider
2. Internal Service Processor
3. International Server Provider
4. Internet System Processor ANSWER: A
5. The mechanism is used to specifically observe the runtime performance of cloud services to ensure that they are fulfilling the conteactual QoS requirements that are published in SLAs.

ANSWER: SLA Monitor

1. The data collected by the SLA monitor is processed by an

to be aggregated into SLA reporting metrics. ANSWER: SLA management system

1. The physical server polling has consecutively timed out three times, this generated event is termed as:

ANSWER: PS\_Unreachable

1. The previously unavailable physical server becomes responsive to polling again, this generated event is termed as:

ANSWER: PS\_Reachable

1. The mechanism measures cloud-based IT resource usage in accordance with predefined pricing parameters and generates usage logs for fee calculations and billing purposes.

ANSWER: Pay-Per-Use Monitor

1. The information that is used to identify the type of pricing model for usage fee calaculations, including pre-paid subscription with usage quota, post-paid subscription with maximum usage quota is termed as:

ANSWER: Cloud Consumer Subscription Type

1. When usage contracts define IT resource usage quotas, usage event conditions are typically supplemented with quota consumption and updated quota limits. This type of consumption is termed as:

ANSWER: Resource Usage Quota Consumption

1. A pay-per-use monitor designed as a that transparently intercepts and analyzes runtime communication with a cloud service.

ANSWER: Monitoring Agent

1. A monitoring agent that collects tracking data for networks and IT resources is Called

ANSWER: Audit Monitor

1. Which of the following are not Cloud management mechanisms ANSWER: Audit Monitor System
2. Failover System can be defined as

ANSWER: A system to increase the reliability and availability of IT resources by using established clustering technology to provide redundant implementations

1. Failover System include ANSWER: Both the mentioned
2. The monitoring agent that intercepts login requests and stores the requestors security credentials, as well as both failed attempts in a log database for future audit reporting purposes.

ANSWER: Audit Monitor

1. The mechanism that rely on the resource replication mechanism to supply the redundant IT resource instances is called

ANSWER: Failover systems

1. he implementation mecahnism used in the failoversystems are ANSWER: Resource replication
2. DAS-based: periodic synchronization can also be reffered as ANSWER: WORM based
3. A state management database is a ANSWER: Storage Device
4. Storage management database is used to make software programs more ANSWER: scalable
5. The cloud management mechanism ANSWER: All of the above
6. The tools and APIs provided by remote administration system are used by ANSWER: Cloud Provider
7. The task performed by cloud consumers via a remote administration console is/are

ANSWER: All of the above

1. A is the core of the resource management system that coordinatesthe server hardware so that virtual server instances can be created from the underlying physical server.

ANSWER: virtual infrastructure manager

1. Which of the following is NOT the task of resource management system ANSWER: monitoring operational conditions of IT resources
2. A resource management system consist of . ANSWER: VIM platform and VIM image repository
3. mechanism is used to group multiple IT resource instances so that they can be operated as single IT resource.

ANSWER: Resource Cluster

1. Above layer a hypervisor is installed. ANSWER: Physical Layer
2. Cluster specializes in distributing workloads among cluster nodes to increse IT resource capaacity, while preserving the centralization of IT resource management.

ANSWER: Load balanced Cluster

1. ia a general purpose portal that centralizes management controls to different cloud-based IT resources.

ANSWER: Usage and Administration Portal

1. The mechanism is used to specifically observe the runtime performance of cloud services to ensure that they are fulfilling the conteactual QoS requirements that are published in SLAs.
2. SLA Monitor
3. Load Balancer
4. Pay-Per-Use Monitor
5. Audit Monitor

ANSWER A

1. The data collected by the SLA monitor is processed by an

to be aggregated into SLA reporting metrics.

1. SLA administration system
2. SLA failure system
3. SLA management system
4. SLA auditing system

ANSWER C

1. The physical server polling has consecutively timed out three times, this generated event is termed as:
2. PS\_Timeout
3. PS\_Unreachable
4. PS\_Reachable
5. VM\_Unreachable

ANSWER B

1. The previously unavailable physical server becomes responsive to polling again, this generated event is termed as:
2. VM\_Reachable
3. PS\_Timeout
4. PS\_Reachable
5. VM\_Unreachable

ANSWER C

1. The mechanism measures cloud-based IT resource usage in accordance with predefined pricing parameters and generates usage logs for fee calculations and billing purposes.
2. Audit Monitor
3. SLA Monitor
4. Automated Scaling Listener
5. Pay-Per-Use Monitor

ANSWER D

1. !!!!The information that is used to identify the type of pricing model for usage fee calaculations, including pre-paid subscription with usage quota, post-paid subscription with maximum usage quota is termed as:
2. Resource Usage Quota Consumption
3. Cloud Consumer Subscription Type
4. Resource Usage Category
5. Bandwidth Consumption

ANSWER A

1. The billing management system uses this information to identify the range of usage fees that are applicable to each usage event. This particular information is termed as:
2. Resource Usage Quota Consumption
3. Cloud Consumer Subscription Type
4. Resource Usage Category
5. Bandwidth Consumption

ANSWER B

1. When usage contracts define IT resource usage quotas, usage event conditions are typically supplemented with quota consumption and updated quota limits.

This type of consumption is termed as:

1. Resource Usage Quota Consumption
2. Cloud Consumer Subscription Type
3. Resource Usage Category
4. Bandwidth Consumption

ANSWER A

1. A pay-per-use monitor implemented as a used to determine the usage period of a virtual server.
2. Resource Auditor
3. Resource Broker
4. Resource Admin
5. Resource Agent

ANSWER D

1. A pay-per-use monitor designed as a that transparently intercepts and analyzes runtime communication with a cloud service.
2. Resource Auditor
3. Monitoring Agent
4. Service Agent
5. Resource Agent

ANSWER B

1. A monitoring agent that collects tracking data for networks and IT resources is Called
2. Load balancer
3. Audit Monitor
4. Automated Scaling Listener
5. Pay-per use Monitor

ANSWER B

1. Which of the following are not Cloud management mechanisms
2. Remote Administration system
3. SLA Management System
4. Audit Monitor System
5. Billing Management System

ANSWER C

1. Failover System can be defined as
2. A system to increase the reliability and availability of IT resources by using established clustering technology to provide redundant implementations
3. A resource agent that monitors and keeps track of the runtime performance of cloud services.
4. The Failure of the system
5. None of the mentioned

ANSWER A

1. Failover System include
2. Only Active-Active
3. Only Active-Passive
4. None of the mentioned
5. Both the mentioned

ANSWER D

1. The monitoring agent that intercepts login requests and stores the requestors security credentials, as well as both failed attempts in a log database for future audit reporting purposes.
2. Pay-per-use monitor
3. SLA Monitor
4. Audit Monitor
5. Cloud Usage Monitor

ANSWER C

an virtualization layer used for different user applications managed by their own operating systems (guest OS) can run on the same hardware, independent of the host OS is refereed as

1. hypervisor
2. virtual machine monitor
3. Both the mentioned
4. None ANSWER: C

Which of the following is another name for the system virtual machine?

1. hardware virtual machine
2. software virtual machine
3. real machine
4. none of the mentioned ANSWER: A

Which of the following provide system resource access to virtual machines?

1. VMM
2. VMC
3. VNM
4. all of the mentioned ANSWER: A

Which of the following is Type 1 Hypervisor?

1. Wind River Simics
2. Virtual Server 2005 R2
3. KVM
4. LynxSecure ANSWER: D

Which of the following type of virtualization is found in hypervisor such as Microsoft’s Hyper-V?

1. paravirtualization
2. full virtualization
3. emulation
4. none of the mentioned ANSWER: A

In the virtual machine simulates hardware, so it can be independent of the underlying system hardware.

1. paravirtualization
2. full virtualization
3. emulation
4. none of the mentioned ANSWER: C

Point out the wrong statement.

1. Full virtualization requires that the host operating system provide a virtual machine interface for the guest operating system and that the guest access hardware through that host VM
2. Guest operating systems in full virtualization systems are generally faster than other virtualization schemes
3. a process virtual machine instantiates when a command begins a process
4. all of the mentioned ANSWER: A

In a scheme, the VM is installed as a Type 1 Hypervisor directly onto the hardware.

1. paravirtualization
2. full virtualization
3. emulation
4. none of the mentioned ANSWER: B

at the ISa level, virtualization is performed by emulating a given ISa by the ISa of

1. Virtual machine
2. Host machine
3. Guest OS
4. none of the mentioned ANSWER: B

Hardware-level virtualization is performed right on top of which harware devices

1. processors
2. memory
3. I/O devices
4. all of the mentioned ANSWER: D

vCUDa which allows applications executing within VMs to leverage GPU hardware acceleration is an exapmle for

1. hardware abstraction Level
2. Os-level Level
3. Library Support Level
4. User application Level ANSWER: C

The most popular approach which is to deploy high level language (HLL)VMs.

1. hardware abstraction Level
2. Os-level Level
3. Library Support Level
4. User application Level ANSWER: D

Virtulization can be implemeted in

1. hardware abstraction Level
2. Os-level Level
3. Library Support Level
4. all the mentioned ANSWER: D

which virtualization implementation level has more application flexibility

1. hardware abstraction Level
2. Instrction set architecture level
3. Library Support Level
4. User application Level ANSWER: B

which virtualization implementation level has more implementation complexity

1. hardware abstraction Level
2. Instrction set architecture level
3. Library Support Level
4. User application Level ANSWER: D

which virtualization implementation level has higher performance

1. hardware abstraction Level
2. Instrction set architecture level
3. Library Support Level
4. User application Level ANSWER: A

the basic concept of the vCUDa architecture consists of

1. the vCUDa library
2. a virtual GPU in the guest OS
3. vCUDa stub in the host OS
4. all the mentioned ANSWER: D

noncritical instructions run on the hardware directly while critical instructions are discovered and replaced with traps into the VMM to be emulated by software in

1. Full Virtualization
2. para Virtualization
3. Host- based Virtualization
4. None ANSWER: A

the type of Virtualization replaces nonvirtualizable instructions with hypercalls that communicate directly with the hypervisor or VMM

1. Full Virtualization
2. para Virtualization
3. Host- based Virtualization
4. None ANSWER: B

In Para-Virtualization architecture ring-0 defines

1. para virualized guest-os
2. host-os
3. user apps
4. virtialization layer ANSWER: A

Which of the following type of virtualization is also characteristic of cloud computing?

1. Storage
2. application
3. CPU
4. all of the mentioned ANSWER: D

In Para-Virtualization architecture ring-3 defines

1. para virualized guest-os
2. host-os
3. user apps
4. virtialization layer ANSWER: C

Ring 0 represents In Para-Virtualization architecture

1. level having most privilege
2. level having least privilege
3. None ANSWER: A

Ring 3 represents In Para-Virtualization architecture

1. level having most privilege
2. level having least privilege
3. None ANSWER: B

KVM (Kernel-Based VM) is a

1. Full Virtualized system
2. para Virtualized system
3. Host- based Virtualized system
4. None ANSWER: B

hypervisor kernel provides the same functionality as other operating systems, such as process creation, file system management, and process scheduling. It is designed to specifically support multiple virtual machines and to provide core functionalities, such as resource scheduling, I/O stacks, etc.

1. Hypervisor Components - VMM
2. Hypervisor Components - Kernel
3. Resource Control - Share
4. vSphere Key Components ANSWER: B

All cloud computing applications suffer from the inherent that is intrinsic in their WAN

connectivity. A) Propagation

1. Latency
2. Noise
3. All of the mentioned ANSWER: B

Which term best describes the ability to rapidly increase user accounts for a given cloud service?

1. Volatility
2. Synchronicity
3. Viability
4. Elasticity ANSWER: D

Your company runs a virtualized web application server in-house. You decide to make the web

applications available over the Internet through a cloud provider. Which method represents the

quickest way to accomplish this?

A) Create a new cloud server, install web services, and install and configure web applications. B) Create a new cloud server, install web services, and import web application data.

C) Migrate your in-house web application server to the cloud

. D) This cannot be done — only generic applications are available through the cloud. ANSWER: C

Purchasing software and providing it to a third party that installs and manages that software is an example of which of the following?

1. Virtualization
2. Application service provider
3. Platform as a service
4. Private cloud ANSWER: B

You are the IT director for a retail clothing outlet. Your competitors are using Internet-delivered

inventory, storage, and backup solutions from a specific provider. You conclude it is best that your

company use the same services from the same provider. What type of cloud will you be subscribing

to?

1. Community cloud
2. Retail cloud
3. Private cloud
4. Public cloud ANSWER: A

As a developer for a software company, you have decided to build and test your web applications in a

cloud environment. Which type of cloud service best meets your needs?

1. PaaS
2. SaaS
3. IaaS
4. Xaas ANSWER: A

What cloud computing characteristic ensures services and data are always reachable?

1. Confidentiality
2. Integrity
3. Availability
4. Scalability ANSWER: C

You must ensure that your business computing resources can quickly grow as business demands

change. Which of the following allows this?

1. Confidentiality
2. Integrity
3. Availability
4. Scalability ANSWER: D

Which of the following is most important area of concern in cloud computing ?

1. Security
2. Storage
3. Scalability
4. None ANSWER: A

Which of the following is one of the unique attribute of Cloud Computing ?

1. utility type of delivery
2. elasticity
3. low barrier to entry
4. all of the above ANSWER: D

Which of the following cloud concept is related to pooling and sharing of resources ?

1. Polymorphism
2. Virtualization
3. Abstraction
4. None of the mentioned ANSWER: B

Point out the wrong statement :

1. A cloud is defined as the combination of the infrastructure of a datacenter with the ability to

provision hardware and software

1. High touch applications are best done on-premises
2. The Google App Engine follows IaaS
3. All of the above

ANSWER: C

model consists of the particular types of services that you can access on a cloud

computing platform. A) Service

1. Deployment
2. Application
3. None of the mentioned ANSWER: A

refers to the location and management of the cloud’s infrastructure. A) Service

1. Deployment
2. Application
3. None of the mentioned ANSWER: B

Which of the following is the deployment model?

1. public
2. private
3. hybrid
4. all of the mentioned ANSWER: D

Point out the correct statement. A) A deployment model defines the purpose of the cloud and the nature of how the cloud is located

1. Service model defines the purpose of the cloud and the nature of how the cloud is located
2. Cloud Square Model is meant to show is that the traditional notion of a network boundary being the network’s firewall no longer applies in cloud computing
3. All of the mentioned ANSWER: A

The cloud infrastructure is operated for the exclusive use of an organization. A) Public

1. Private
2. Community
3. All of the mentioned ANSWER: B

provides virtual machines, virtual storage, virtual infrastructure, and other hardware assets. A) IaaS

1. SaaS
2. PaaS
3. All of the mentioned ANSWER: A

Point out the wrong statement. A) A PaaS service adds integration features, middleware, and other orchestration and choreography

services to the IaaS model

1. XaaS or ‘anything as a service’ is the delivery of IT as a Service through hybrid Cloud computing
2. Monitoring as a Service (MaaS) is at present still an emerging piece of the Cloud jigsaw
3. None of the mentioned ANSWER: D

With cloud computing services, hardware purchases, software purchases, and IT support are the

responsibility of whom?

1. Internet service provider
2. RraaS provider
3. SaaS provider
4. Application service provider ANSWER: C

When you add a software stack, such as an operating system and applications to the service, the

model shifts to model. A) SaaS

1. PaaS
2. IaaS
3. All of the mentioned ANSWER: A

Which of the following is most refined and restrictive service model ?

1. IaaS
2. CaaS
3. PaaS
4. All of the mentioned ANSWER: C

All cloud computing applications suffer from the inherent that is intrinsic in their WAN

connectivity.

1. propagation
2. latency
3. noise
4. All of the mentioned ANSWER: B

Cloud computing is a system and it is necessarily unidirectional in nature.

1. stateless
2. stateful
3. reliable
4. None of the above ANSWER: A

Which of the following is best known service model ?

1. SaaS
2. IaaS
3. PaaS
4. All of the mentioned ANSWER: D

Which of the following is related to service provided by Cloud ?

1. Sourcing
2. Ownership
3. Reliability
4. AaaS ANSWER: A

is a complete operating environment with applications, management, and the user interface. A) IaaS

1. SaaS
2. PaaS
3. All of the mentioned ANSWER: B

Which of the following cloud concept is related to pooling and sharing of resources ?

1. Polymorphism
2. Abstraction
3. Virtualization
4. None of the mentioned ANSWER: C

A Level Agreement (SLA) is the contract for performance negotiated between you

and a

service provider. A) Service

1. Application
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Which of the following is specified parameter of SLA ?

1. Response times
2. Responsibilities of each party
3. Warranties
4. All of the mentioned ANSWER: D

Which of the architectural layer is used as backend in cloud computing ?

1. client
2. cloud
3. soft
4. All of the mentioned

ANSWER: B

A cloud requires virtualized storage to support the staging and storage of data. A) soft

1. compute
2. local
3. None of the mentioned ANSWER: B

Point out the wrong statement :

1. Virtual appliances are becoming a very important standard cloud computing deployment object
2. Cloud computing requires some standard protocols
3. Cloud computing relies on a set of protocols needed to manage interprocess communications
4. None of the mentioned ANSWER: D

Which of the following is Cloud Platform by Amazon ?

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2. AWS
3. Cloudera
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Cloud computing is an abstraction based on the notion of pooling physical resources and presenting

them as a resource. A) real

1. virtual
2. cloud
3. None of the mentioned

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allows different operating systems to run in their own memory space.

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2. VMC
3. VMM
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upon which applications may be build. A) Infrastructure

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Which of the following is another name for system virtual machine ? A hardware virtual machine

1. software virtual machine
2. real machine
3. None of the mentioned ANSWER: A

A is a form of virtualization software that emaluates a physical server.

1. virtual server
2. physical server
3. hybrid server
4. none of the above ANSWER: A

The IT resource that isolates the network environment within the data center infrastructure is called:

1. Virtual Firewall
2. Virtual Network
3. Both of the mentioned
4. None of the mentioned ANSWER: B

A virtual server is a form of virtualization software that emulates:

1. Virtual network
2. Physical Server
3. IT Resource
4. None of the mentioned ANSWER: B

Which mechanism is used to replicate several instances of a virtual server, using a stored virtual

server image. A) Hyperviser

1. Virtualization
2. Cloud Auditor
3. None of the mentioned ANSWER: A

Internet works on A) packet switching

1. circuit switching
2. both packet switching and circuit switching
3. data switching ANSWER: A

Which protocol assigns IP address to the client connected in the internet?

1. DHCP
2. IP
3. RPC
4. RSVP ANSWER: A

A is an extension of an enterprise’s private intranet across a public network such as the

internet, creating a secure private connection. A) VNP

1. VPN
2. VSN
3. VSPN ANSWER: B

Which of the following is false with respect to UDP?

1. Connection-oriented
2. Unreliable
3. Transport layer protocol
4. Low overhead ANSWER: A

What is the main advantage of UDP?

1. More overload
2. Reliable
3. Low overhead
4. Fast ANSWER: C

Which of the following is false with respect to TCP?

1. Connection-oriented
2. Process-to-process
3. Transport layer protocol
4. Unreliable ANSWER: D

In TCP, sending and receiving data is done as A) Stream of bytes

1. Sequence of characters
2. Lines of data
3. Packets ANSWER: A

The physical layer is concerned with A) bit-by-bit delivery

1. process to process delivery
2. application to application delivery
3. port to port delivery ANSWER: A

The data link layer takes the packets from and encapsulates them into frames for

transmission. A) network layer

1. physical layer
2. transport layer
3. application layer ANSWER: A

The network layer is concerned with of data. A) bits

1. frames
2. packets
3. bytes ANSWER: C

Transport layer aggregates data from different applications into a single stream before passing it to

A) network layer

1. data link layer
2. application layer
3. physical layer ANSWER: A

Which of the following are transport layer protocols used in networking?

1. TCP and FTP
2. UDP and HTTP
3. TCP and UDP
4. HTTP and FTP ANSWER: C

This is a repository for the storage, management, and dissemination of data in which the mechanical,

lighting, electrical and computer systems are designed for maximum energy efficiency and minimum

environmental impact. A) Storage lab

1. Data Center
2. Data warehouse
3. Fabric ANSWER: B

Which three statements describe differences between Storage Area Network (SAN) and Network

Attached Storage (NAS) solutions? Choose three.

1. SAN is generally more expensive but provides higher performance
2. NAS uses TCP/IP for communication between hosts and the NAS server
3. NAS requires additional hardware on a host: a host bus adapter for connectivity
4. SAN uses proprietary protocols for communication between hosts and the SAN fabric
5. i,ii, iii
6. i, ii, iv
7. ii, iii, iv
8. i, ii, iii ANSWER: B

Resource is defined as the creation of multiple instances of the same IT resource. A) Management

1. Provisioning
2. Replication
3. Allocation ANSWER: C

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1. Storage
2. Application
3. CPU
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An IT resource that actively filters network traffic to and from the isolated network while controlling

its interactions with the Internet. A) Virtual Firewall

1. Virtual Network
2. Both of the mentioned
3. None of the mentioned ANSWER: A

Point out the correct statement. a) A virtual machine is a computer that is walled off from the physical computer that the virtual

machine

is running on

1. Virtual machines provide the capability of running multiple machine instances, each with their own

operating system

1. The downside of virtual machine technologies is that having resources indirectly addressed means

there is some level of overhead

1. All of the mentioned ANSWER: D

What is the full form of "FTP"?

1. File Tranmitting Protocol
2. File Transfer Protocol
3. Fast Transfer Protocol
4. Fast Transmitting Project ANSWER: B

What is the full form of "HTTP"?

1. High Transfer Terra Page
2. Higher Transfer Technology Protocol
3. Hypertext Transfer Protocol
4. Hive Type Terminal Protocol What is the full form of "ISP"?
5. Internet Service Provider
6. Internal Service Processor
7. International Server Provider
8. Internet System Processor ANSWER: A

What is the full form of "OSI"?

1. Organisational Server Interface
2. Open Server Interconnection
3. Operating System Interface
4. Open System Interconnection ANSWER: D

What is the full form of "SMTP"?

1. Structured Mail Transfer Protocol
2. Simple Mail Transmitting Protocol
3. Simple Mail Transfer Protocol
4. Server Mail Transfer Protocol ANSWER: C

In SAN storage model, the operating system view storage resources as —— devices

1. FC
2. SCSI
3. SAN
4. None of the mentioned ANSWER: B

an virtualization layer used for different user applications managed by their own operating systems (guest OS) can run on the same hardware, independent of the host OS is refereed as

1. hypervisor
2. virtual machine monitor
3. Both the mentioned
4. None ANSWER: C

Which of the following is another name for the system virtual machine?

1. hardware virtual machine
2. software virtual machine
3. real machine
4. none of the mentioned ANSWER: A

Which of the following provide system resource access to virtual machines?

1. VMM
2. VMC
3. VNM
4. all of the mentioned ANSWER: A

Which of the following is Type 1 Hypervisor?

1. Wind River Simics
2. Virtual Server 2005 R2
3. KVM
4. LynxSecure ANSWER: D

Which of the following type of virtualization is found in hypervisor such as Microsoft’s Hyper-V?

1. paravirtualization
2. full virtualization
3. emulation
4. none of the mentioned

ANSWER: A

In the virtual machine simulates hardware, so it can be independent of the underlying system hardware.

1. paravirtualization
2. full virtualization
3. emulation
4. none of the mentioned ANSWER: C

Point out the wrong statement.

1. Full virtualization requires that the host operating system provide a virtual machine interface for the guest operating system and that the guest access hardware through that host VM
2. Guest operating systems in full virtualization systems are generally faster than other virtualization schemes
3. a process virtual machine instantiates when a command begins a process
4. all of the mentioned ANSWER: A

In a scheme, the VM is installed as a Type 1 Hypervisor directly onto the hardware.

1. paravirtualization
2. full virtualization
3. emulation
4. none of the mentioned ANSWER: B

at the ISa level, virtualization is performed by emulating a given ISa by the ISa of

1. Virtual machine
2. Host machine
3. Guest OS
4. none of the mentioned ANSWER: B

Hardware-level virtualization is performed right on top of which harware devices

1. processors
2. memory
3. I/O devices
4. all of the mentioned ANSWER: D

vCUDa which allows applications executing within VMs to leverage GPU hardware acceleration is an exapmle for

1. hardware abstraction Level
2. Os-level Level
3. Library Support Level
4. User application Level ANSWER: C

The most popular approach which is to deploy high level language (HLL)VMs.

1. hardware abstraction Level
2. Os-level Level
3. Library Support Level
4. User application Level ANSWER: D

Virtulization can be implemeted in

1. hardware abstraction Level
2. Os-level Level
3. Library Support Level
4. all the mentioned ANSWER: D

which virtualization implementation level has more application flexibility

1. hardware abstraction Level
2. Instrction set architecture level
3. Library Support Level
4. User application Level ANSWER: B

which virtualization implementation level has more implementation complexity

1. hardware abstraction Level
2. Instrction set architecture level
3. Library Support Level
4. User application Level ANSWER: D

which virtualization implementation level has higher performance

1. hardware abstraction Level
2. Instrction set architecture level
3. Library Support Level
4. User application Level ANSWER: A

the basic concept of the vCUDa architecture consists of

1. the vCUDa library
2. a virtual GPU in the guest OS
3. vCUDa stub in the host OS
4. all the mentioned ANSWER: D

noncritical instructions run on the hardware directly while critical instructions are discovered and replaced with traps into the VMM to be emulated by software in

1. Full Virtualization
2. para Virtualization
3. Host- based Virtualization
4. None

ANSWER: A

the type of Virtualization replaces nonvirtualizable instructions with hypercalls that communicate directly with the hypervisor or VMM

1. Full Virtualization
2. para Virtualization
3. Host- based Virtualization
4. None ANSWER: B

In Para-Virtualization architecture ring-0 defines

1. para virualized guest-os
2. host-os
3. user apps
4. virtialization layer ANSWER: A

Which of the following type of virtualization is also characteristic of cloud computing?

1. Storage
2. application
3. CPU
4. all of the mentioned ANSWER: D

In Para-Virtualization architecture ring-3 defines

1. para virualized guest-os
2. host-os
3. user apps
4. virtialization layer ANSWER: C

Ring 0 represents In Para-Virtualization architecture

1. level having most privilege
2. level having least privilege
3. None ANSWER: A

Ring 3 represents In Para-Virtualization architecture

1. level having most privilege
2. level having least privilege
3. None ANSWER: B

KVM (Kernel-Based VM) is a

1. Full Virtualized system
2. para Virtualized system
3. Host- based Virtualized system
4. None ANSWER: B

hypervisor kernel provides the same functionality as other operating systems, such as process creation, file system management, and process scheduling. It is designed to specifically support multiple virtual machines and to provide core functionalities, such as resource scheduling, I/O stacks, etc.

1. Hypervisor Components - VMM
2. Hypervisor Components - Kernel
3. Resource Control - Share
4. vSphere Key Components ANSWER: B

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2. Open Server Interconnection
3. Operating System Interface
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In SAN storage model, the operating system view storage resources as —— devices

1. FC
2. SCSI
3. SAN
4. None of the mentioned ANSWER: B

All cloud computing applications suffer from the inherent that is intrinsic in their WAN connectivity.

1. Propagation
2. Latency
3. Noise
4. All of the mentioned ANSWER: B

Which term best describes the ability to rapidly increase user accounts for a given cloud service?

1. Volatility
2. Synchronicity
3. Viability
4. Elasticity ANSWER: D

Your company runs a virtualized web application server in-house. You decide to make the web applications available over the Internet through a cloud provider. Which method represents the quickest way to accomplish this?

1. Create a new cloud server, install web services, and install and configure web applications.
2. Create a new cloud server, install web services, and import web application data.
3. Migrate your in-house web application server to the cloud.
4. This cannot be done — only generic applications are available through the cloud.

ANSWER: C

Purchasing software and providing it to a third party that installs and manages that software is an example of which of the following?

1. Virtualization
2. Application service provider
3. Platform as a service
4. Private cloud ANSWER: B

You are the IT director for a retail clothing outlet. Your competitors are using Internet-delivered inventory, storage, and backup solutions from a specific provider. You conclude it is best that your company use the same services from the same provider. What type of cloud will you be subscribing to?

1. Community cloud
2. Retail cloud
3. Private cloud
4. Public cloud ANSWER: A

As a developer for a software company, you have decided to build and test your web applications in a cloud environment. Which type of cloud service best meets your needs?

1. PaaS
2. SaaS
3. IaaS
4. Xaas ANSWER: A

What cloud computing characteristic ensures services and data are always reachable?

1. Confidentiality
2. Integrity
3. Availability
4. Scalability ANSWER: C

You must ensure that your business computing resources can quickly grow as business demands change. Which of the following allows this?

1. Confidentiality
2. Integrity
3. Availability
4. Scalability ANSWER: D

Which of the following is most important area of concern in cloud computing ?

1. Security
2. Storage
3. Scalability
4. None ANSWER: A

Which of the following is one of the unique attribute of Cloud Computing ?

1. utility type of delivery
2. elasticity
3. low barrier to entry
4. all of the above ANSWER: D

Which of the following cloud concept is related to pooling and sharing of resources ?

1. Polymorphism
2. Virtualization
3. Abstraction
4. None of the mentioned ANSWER: B

Point out the wrong statement :

1. A cloud is defined as the combination of the infrastructure of a datacenter with the ability to provision hardware and software
2. High touch applications are best done on-premises
3. The Google App Engine follows IaaS
4. All of the above ANSWER: C

model consists of the particular types of services that you can access on a cloud computing platform.

1. Service
2. Deployment
3. Application
4. None of the mentioned ANSWER: A

refers to the location and management of the cloud’s infrastructure.

1. Service
2. Deployment
3. Application
4. None of the mentioned ANSWER: B

Which of the following is the deployment model?

1. public
2. private
3. hybrid
4. all of the mentioned ANSWER: D

Point out the correct statement.

1. A deployment model defines the purpose of the cloud and the nature of how the cloud is located
2. Service model defines the purpose of the cloud and the nature of how the cloud is located
3. Cloud Square Model is meant to show is that the traditional notion of a network boundary being the network’s firewall no longer applies in cloud computing
4. All of the mentioned ANSWER: A

The cloud infrastructure is operated for the exclusive use of an organization.

1. Public
2. Private
3. Community
4. All of the mentioned ANSWER: B

provides virtual machines, virtual storage, virtual infrastructure, and other hardware assets.

1. IaaS
2. SaaS
3. PaaS
4. All of the mentioned ANSWER: A

Point out the wrong statement.

1. A PaaS service adds integration features, middleware, and other orchestration and choreography services to the IaaS model
2. XaaS or ‘anything as a service’ is the delivery of IT as a Service through hybrid Cloud computing
3. Monitoring as a Service (MaaS) is at present still an emerging piece of the Cloud jigsaw
4. None of the mentioned ANSWER: D

With cloud computing services, hardware purchases, software purchases, and IT support are the responsibility of whom?

1. Internet service provider
2. RraaS provider
3. SaaS provider
4. Application service provider ANSWER: C

When you add a software stack, such as an operating system and applications to the service, the model shifts to model.

1. SaaS
2. PaaS
3. IaaS
4. All of the mentioned ANSWER: A

Which of the following is most refined and restrictive service model ?

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2. CaaS
3. PaaS
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ANSWER: C

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4. All of the mentioned ANSWER: D

Which of the following is another name for system virtual machine ? A hardware virtual machine

1. software virtual machine
2. real machine
3. None of the mentioned ANSWER: A

an virtualization layer used for different user applications managed by their own operating systems (guest OS) can run on the same hardware, independent of the host OS is refereed as

1. hypervisor
2. virtual machine monitor
3. Both the mentioned
4. None ANSWER: C

Which of the following is another name for the system virtual machine?

1. hardware virtual machine
2. software virtual machine
3. real machine
4. none of the mentioned ANSWER: A

Which of the following provide system resource access to virtual machines?

1. VMM
2. VMC
3. VNM
4. all of the mentioned ANSWER: A

Which of the following is Type 1 Hypervisor?

1. Wind River Simics
2. Virtual Server 2005 R2
3. KVM
4. LynxSecure ANSWER: D

Which of the following type of virtualization is found in hypervisor such as Microsoft’s Hyper-V?

1. paravirtualization
2. full virtualization
3. emulation
4. none of the mentioned ANSWER: A

In the virtual machine simulates hardware, so it can be independent of the underlying system hardware.

1. paravirtualization
2. full virtualization
3. emulation
4. none of the mentioned ANSWER: C

Point out the wrong statement.

1. Full virtualization requires that the host operating system provide a virtual machine interface for the guest operating system and that the guest access hardware through that host VM
2. Guest operating systems in full virtualization systems are generally faster than other virtualization schemes
3. a process virtual machine instantiates when a command begins a process
4. all of the mentioned ANSWER: A

In a scheme, the VM is installed as a Type 1 Hypervisor directly onto the hardware.

1. paravirtualization
2. full virtualization
3. emulation
4. none of the mentioned ANSWER: B

at the ISa level, virtualization is performed by emulating a given ISa by the ISa of

1. Virtual machine
2. Host machine
3. Guest OS
4. none of the mentioned ANSWER: B

Hardware-level virtualization is performed right on top of which harware devices

1. processors
2. memory
3. I/O devices
4. all of the mentioned ANSWER: D

vCUDa which allows applications executing within VMs to leverage GPU hardware acceleration is an exapmle for

1. hardware abstraction Level
2. Os-level Level
3. Library Support Level
4. User application Level ANSWER: C

The most popular approach which is to deploy high level language (HLL)VMs.

1. hardware abstraction Level
2. Os-level Level
3. Library Support Level
4. User application Level ANSWER: D

Virtulization can be implemeted in

1. hardware abstraction Level
2. Os-level Level
3. Library Support Level
4. all the mentioned ANSWER: D

which virtualization implementation level has more application flexibility

1. hardware abstraction Level
2. Instrction set architecture level
3. Library Support Level
4. User application Level ANSWER: B

which virtualization implementation level has more implementation complexity

1. hardware abstraction Level
2. Instrction set architecture level
3. Library Support Level
4. User application Level ANSWER: D

which virtualization implementation level has higher performance

1. hardware abstraction Level
2. Instrction set architecture level
3. Library Support Level
4. User application Level ANSWER: A

the basic concept of the vCUDa architecture consists of

1. the vCUDa library
2. a virtual GPU in the guest OS
3. vCUDa stub in the host OS
4. all the mentioned ANSWER: D

noncritical instructions run on the hardware directly while critical instructions are discovered and replaced with traps into the VMM to be emulated by software in

1. Full Virtualization
2. para Virtualization
3. Host- based Virtualization
4. None ANSWER: A

the type of Virtualization replaces nonvirtualizable instructions with hypercalls that communicate directly with the hypervisor or VMM

1. Full Virtualization
2. para Virtualization
3. Host- based Virtualization
4. None ANSWER: B

In Para-Virtualization architecture ring-0 defines

1. para virualized guest-os
2. host-os
3. user apps
4. virtialization layer ANSWER: A

Which of the following type of virtualization is also characteristic of cloud computing?

1. Storage
2. application
3. CPU
4. all of the mentioned ANSWER: D

In Para-Virtualization architecture ring-3 defines

1. para virualized guest-os
2. host-os
3. user apps
4. virtialization layer ANSWER: C

Ring 0 represents In Para-Virtualization architecture

1. level having most privilege
2. level having least privilege
3. None ANSWER: A

Ring 3 represents In Para-Virtualization architecture

1. level having most privilege
2. level having least privilege
3. None ANSWER: B

KVM (Kernel-Based VM) is a

1. Full Virtualized system
2. para Virtualized system
3. Host- based Virtualized system
4. None ANSWER: B

hypervisor kernel provides the same functionality as other operating systems, such as process creation, file system management, and process scheduling. It is designed to specifically support multiple virtual machines and to provide core functionalities, such as resource scheduling, I/O stacks, etc.

1. Hypervisor Components - VMM
2. Hypervisor Components - Kernel
3. Resource Control - Share
4. vSphere Key Components ANSWER: B

All cloud computing applications suffer from the inherent that is intrinsic in their WAN connectivity.

1. Propagation
2. Latency
3. Noise
4. All of the mentioned ANSWER: B

Which term best describes the ability to rapidly increase user accounts for a given cloud service?

1. Volatility
2. Synchronicity
3. Viability
4. Elasticity ANSWER: D

Your company runs a virtualized web application server in-house. You decide to make the web applications available over the Internet through a cloud provider. Which method represents the quickest way to accomplish this?

1. Create a new cloud server, install web services, and install and configure web applications.
2. Create a new cloud server, install web services, and import web application data.
3. Migrate your in-house web application server to the cloud.
4. This cannot be done — only generic applications are available through the cloud.

ANSWER: C

Purchasing software and providing it to a third party that installs and manages that software is an example of which of the following?

1. Virtualization
2. Application service provider
3. Platform as a service
4. Private cloud ANSWER: B

You are the IT director for a retail clothing outlet. Your competitors are using Internet-delivered inventory, storage, and backup solutions from a specific provider. You conclude it is best that your company use the same services from the same provider. What type of cloud will you be subscribing to?

1. Community cloud
2. Retail cloud
3. Private cloud
4. Public cloud ANSWER: A

As a developer for a software company, you have decided to build and test your web applications in a cloud environment. Which type of cloud service best meets your needs?

1. PaaS
2. SaaS
3. IaaS
4. Xaas ANSWER: A

What cloud computing characteristic ensures services and data are always reachable?

1. Confidentiality
2. Integrity
3. Availability
4. Scalability ANSWER: C

You must ensure that your business computing resources can quickly grow as business demands change. Which of the following allows this?

1. Confidentiality
2. Integrity
3. Availability
4. Scalability ANSWER: D

Which of the following is most important area of concern in cloud computing ?

1. Security
2. Storage
3. Scalability
4. None ANSWER: A

Which of the following is one of the unique attribute of Cloud Computing ?

1. utility type of delivery
2. elasticity
3. low barrier to entry
4. all of the above ANSWER: D

Which of the following cloud concept is related to pooling and sharing of resources ?

1. Polymorphism
2. Virtualization
3. Abstraction
4. None of the mentioned ANSWER: B

Point out the wrong statement :

1. A cloud is defined as the combination of the infrastructure of a datacenter with the ability to provision hardware and software
2. High touch applications are best done on-premises
3. The Google App Engine follows IaaS
4. All of the above ANSWER: C

----------- model consists of the particular types of services that you can access on a cloud computing platform.

1. Service
2. Deployment
3. Application
4. None of the mentioned ANSWER: A

----------- refers to the location and management of the cloud’s infrastructure.

1. Service
2. Deployment
3. Application
4. None of the mentioned ANSWER: B

Which of the following is the deployment model?

1. public
2. private
3. hybrid
4. all of the mentioned

ANSWER: D

Point out the correct statement.

1. A deployment model defines the purpose of the cloud and the nature of how the cloud is located
2. Service model defines the purpose of the cloud and the nature of how the cloud is located
3. Cloud Square Model is meant to show is that the traditional notion of a network boundary being the network’s firewall no longer applies in cloud computing
4. All of the mentioned ANSWER: A

The ------- cloud infrastructure is operated for the exclusive use of an organization.

1. Public
2. Private
3. Community
4. All of the mentioned ANSWER: B

----------- provides virtual machines, virtual storage, virtual infrastructure, and other hardware assets.

1. IaaS
2. SaaS
3. PaaS
4. All of the mentioned ANSWER: A

Point out the wrong statement.

1. A PaaS service adds integration features, middleware, and other orchestration and choreography services to the IaaS model
2. XaaS or ‘anything as a service’ is the delivery of IT as a Service through hybrid Cloud computing
3. Monitoring as a Service (MaaS) is at present still an emerging piece of the Cloud jigsaw
4. None of the mentioned ANSWER: D

With cloud computing services, hardware purchases, software purchases, and IT support are the responsibility of whom?

1. Internet service provider
2. RraaS provider
3. SaaS provider
4. Application service provider ANSWER: C

When you add a software stack, such as an operating system and applications to the service, the model shifts to model.

1. SaaS
2. PaaS
3. IaaS
4. All of the mentioned ANSWER: A

Which of the following is most refined and restrictive service model ?

1. IaaS
2. CaaS
3. PaaS
4. All of the mentioned ANSWER: C

All cloud computing applications suffer from the inherent that is intrinsic in

their WAN connectivity.

1. propagation
2. latency
3. noise
4. All of the mentioned ANSWER: B

Cloud computing is a system and it is necessarily unidirectional in nature.

1. stateless
2. stateful
3. reliable
4. None of the above ANSWER: A

Which of the following is best known service model ?

1. SaaS
2. IaaS
3. PaaS
4. All of the mentioned ANSWER: D

Which of the following is related to service provided by Cloud ?

1. Sourcing
2. Ownership
3. Reliability
4. AaaS ANSWER: A

----------- is a complete operating environment with applications, management, and the user interface.

1. IaaS
2. SaaS
3. PaaS
4. All of the mentioned ANSWER: B

Which of the following cloud concept is related to pooling and sharing of resources ?

1. Polymorphism
2. Abstraction
3. Virtualization
4. None of the mentioned ANSWER: C

A Level Agreement (SLA) is the contract for performance negotiated between you and a service provider.

1. Service
2. Application
3. Deployment
4. All of the mentioned ANSWER: A

Which of the following is specified parameter of SLA ?

1. Response times
2. Responsibilities of each party
3. Warranties
4. All of the mentioned ANSWER: D

Which of the architectural layer is used as backend in cloud computing ?

1. client
2. cloud
3. soft
4. All of the mentioned ANSWER: B

A--------- cloud requires virtualized storage to support the staging and storage of data.

1. soft
2. compute
3. local
4. None of the mentioned ANSWER: B

Point out the wrong statement :

1. Virtual appliances are becoming a very important standard cloud computing deployment object
2. Cloud computing requires some standard protocols
3. Cloud computing relies on a set of protocols needed to manage interprocess communications
4. None of the mentioned ANSWER: D

Which of the following is Cloud Platform by Amazon ?

1. Azure
2. AWS
3. Cloudera
4. All of the mentioned ANSWER: D

Cloud computing is an abstraction based on the notion of pooling physical resources and presenting them as a resource.

1. real
2. virtual
3. cloud
4. None of the mentioned ANSWER: B

Which of the following cloud concept is related to pooling and sharing of resources ?

1. Polymorphism
2. Abstraction
3. Virtualization
4. None of the mentioned ANSWER:C

Which of the following type of virtualization is also characteristic of cloud computing?

1. Storage
2. Application
3. CPU
4. All of the Above ANSWER: D

What facet of cloud computing helps to guard against downtime and determines costs?

1. Service-level agreements
2. Application programming interfaces
3. Virtual private networks
4. Bandwidth fees ANSWER: A

Cloud Services have a relationship with their customers.

1. Many-to-many
2. One-to-many
3. One-to-one
4. None of the Name ANSWER: B

What’s the most popular use case for public cloud computing today?

1. Test and development
2. Website hosting
3. Disaster recovery
4. Business analytics ANSWER: A

Virtual Machine Ware (VMware) is an example of

1. Infrastructure Service
2. Platform Service
3. Software Service
4. None of the above ANSWER: A

Geographic distribution of data across a cloud provider's network is a problem for many enterprises because it:

1. Makes data recovery harder
2. Adds latency
3. Raises security concerns
4. Breaks compliance regulations ANSWER: A

Amazon Web Services is which type of cloud computing distribution model?

1. Software as a Service
2. Platform as a Service
3. Infrastructure as a Service
4. Software software as a service ANSWER: C

Cloud computing networks are designed to support only private or hybrid clouds.

1. True
2. False ANSWER: B

A good cloud computing network can be adjusted to provide bandwidth on demand.

1. True
2. False ANSWER: A

A larger cloud network can be built as either a layer 3 or layer 4 network.

1. True
2. False ANSWER: B

The typical three-layer switching topology will not create latency within a cloud network.

1. True
2. False ANSWER: B

The term 'Cloud' in cloud-computing refers to .

1. The Internet
2. Cumulus Clouds
3. A Computer
4. Thin Clients ANSWER: A

------------allows different operating systems to run in their own memory space.

1. VVM
2. VMC
3. VMM
4. All of the mentioned ANSWER: C

----------- as a Service is a cloud computing infrastructure that creates a development environment upon which applications may be build.

1. Infrastructure
2. Platform
3. Service
4. All of the mentioned ANSWER: B

Which of the following cloud concept is related to pooling and sharing of resources ?

1. Polymorphism
2. Abstraction
3. Virtualization
4. None of the mentioned ANSWER: C

Logical Network Perimeter can be implemented to

1. isolate IT resources in a cloud from non-authorized users
2. isolate IT resources in a cloud from non-users
3. isolate IT resources in a cloud from cloud consumers
4. all of the above Answer: D

A -------- is a form of virtualization software that emaluates a physical server.

1. virtual server
2. physical server
3. hybrid server
4. none of the above Answer: A

Point out the wrong statement.

1. Abstraction enables the key benefit of cloud computing: shared, ubiquitous access
2. Virtualization assigns a logical name for a physical resource and then provides a pointer to that physical resource when a request is made
3. All cloud computing applications combine their resources into pools that can be assigned on demand to users
4. All of the mentioned ANSWER: C

Which of the following type of virtualization is also characteristic of cloud computing?

1. Storage
2. Application
3. CPU
4. All of the mentioned ANSWER: D

Point out the correct statement.

1. A client can request access to a cloud service from any location
2. A cloud has multiple application instances and directs requests to an instance based on conditions
3. Computers can be partitioned into a set of virtual machines with each machine being assigned a workload
4. All of the mentioned ANSWER: D

Which of the following network resources can be load balanced?

1. Connections through intelligent switches
2. DNS
3. Storage resources
4. All of the mentioned ANSWER: D

Which of the following type of virtualization is also characteristic of cloud computing ?

1. Storage
2. Application
3. CPU
4. All of the mentioned

ANSWER: D

Point out the correct statement :

1. A client can request access to a cloud service from any location
2. A cloud has multiple application instances and directs requests to an instance based on conditions
3. Computers can be partitioned into a set of virtual machines with each machine being assigned a workload
4. All of the mentioned ANSWER: D

Which of the following is another name for system virtual machine ? A hardware virtual machine

1. software virtual machine
2. real machine
3. None of the mentioned ANSWER: A

A is a form of virtualization software that emaluates a physical server.

1. virtual server
2. physical server
3. hybrid server
4. none of the above ANSWER: A

The IT resource that isolates the network environment within the data center infrastructure is called:

1. Virtual Firewall
2. Virtual Network
3. Both of the mentioned
4. None of the mentioned ANSWER: B

A virtual server is a form of virtualization software that emulates:

1. Virtual network
2. Physical Server
3. IT Resource
4. None of the mentioned ANSWER: B

Which mechanism is used to replicate several instances of a virtual server, using a stored virtual server image.

1. Hyperviser
2. Virtualization
3. Cloud Auditor
4. None of the mentioned ANSWER: A

Internet works on

1. packet switching
2. circuit switching
3. both packet switching and circuit switching
4. data switching ANSWER: A

Which protocol assigns IP address to the client connected in the internet?

1. DHCP
2. IP
3. RPC
4. RSVP ANSWER: A

A -------- is an extension of an enterprise’s private intranet across a public network such as the internet, creating a secure private connection.

1. VNP
2. VPN
3. VSN
4. VSPN ANSWER: B

Which of the following is false with respect to UDP?

1. Connection-oriented
2. Unreliable
3. Transport layer protocol
4. Low overhead ANSWER: A

What is the main advantage of UDP?

1. More overload
2. Reliable
3. Low overhead
4. Fast ANSWER: C

Which of the following is false with respect to TCP?

1. Connection-oriented
2. Process-to-process
3. Transport layer protocol
4. Unreliable ANSWER: D

In TCP, sending and receiving data is done as

1. Stream of bytes
2. Sequence of characters
3. Lines of data
4. Packets

ANSWER: A

The physical layer is concerned with

1. bit-by-bit delivery
2. process to process delivery
3. application to application delivery
4. port to port delivery ANSWER: A

The data link layer takes the packets from and encapsulates them into

frames for transmission.

1. network layer
2. physical layer
3. transport layer
4. application layer ANSWER: A

The network layer is concerned with of data.

1. bits
2. frames
3. packets
4. bytes ANSWER: C

Transport layer aggregates data from different applications into a single stream before passing it to

1. network layer
2. data link layer
3. application layer
4. physical layer ANSWER: A

Which of the following are transport layer protocols used in networking?

1. TCP and FTP
2. UDP and HTTP
3. TCP and UDP
4. HTTP and FTP ANSWER: C

This is a repository for the storage, management, and dissemination of data in which the mechanical, lighting, electrical and computer systems are designed for maximum energy efficiency and minimum environmental impact.

1. Storage lab
2. Data Center
3. Data warehouse
4. Fabric ANSWER: B

Which three statements describe differences between Storage Area Network (SAN) and Network Attached Storage (NAS) solutions? Choose three.

1. SAN is generally more expensive but provides higher performance
2. NAS uses TCP/IP for communication between hosts and the NAS server
3. NAS requires additional hardware on a host: a host bus adapter for connectivity
4. SAN uses proprietary protocols for communication between hosts and the SAN fabric
5. i,ii, iii
6. i, ii, iv
7. ii, iii, iv
8. i, ii, iii ANSWER: B

Resource is defined as the creation of multiple instances of the same IT resource.

1. Management
2. Provisioning
3. Replication
4. Allocation ANSWER: C

A virtual server is a form of virtualization software that emulates:

1. Virtual network
2. Physical Server
3. IT Resource
4. None of the mentioned ANSWER: B

Which mechanism is used to replicate several instances of a virtual server, using a stored virtual server image.

1. Hyperviser
2. Virtualization
3. Cloud Auditor
4. None of the mentioned ANSWER: A

Which of the following type of virtualization is also characteristic of cloud computing?

1. Storage
2. Application
3. CPU
4. All of the mentioned ANSWER: D

An IT resource that actively filters network traffic to and from the isolated network while controlling its interactions with the Internet.

1. Virtual Firewall
2. Virtual Network
3. Both of the mentioned
4. None of the mentioned

ANSWER: A

Point out the correct statement.

1. A virtual machine is a computer that is walled off from the physical computer that the virtual machine is running on
2. Virtual machines provide the capability of running multiple machine instances, each with their own operating system
3. The downside of virtual machine technologies is that having resources indirectly addressed means there is some level of overhead
4. All of the mentioned ANSWER: D

What is the full form of "FTP"?

1. File Tranmitting Protocol
2. File Transfer Protocol
3. Fast Transfer Protocol
4. Fast Transmitting Project ANSWER: B

What is the full form of "HTTP"?

1. High Transfer Terra Page
2. Higher Transfer Technology Protocol
3. Hypertext Transfer Protocol
4. Hive Type Terminal Protocol ANSWER C

What is the full form of "ISP"?

1. Internet Service Provider
2. Internal Service Processor
3. International Server Provider
4. Internet System Processor ANSWER: A

What is the full form of "OSI"?

1. Organisational Server Interface
2. Open Server Interconnection
3. Operating System Interface
4. Open System Interconnection ANSWER: D

What is the full form of "SMTP"?

1. Structured Mail Transfer Protocol
2. Simple Mail Transmitting Protocol
3. Simple Mail Transfer Protocol
4. Server Mail Transfer Protocol ANSWER: C

In SAN storage model, the operating system view storage resources as —— devices

1. FC
2. SCSI
3. SAN
4. None of the mentioned ANSWER: B
5. All cloud computing applications suffer from the inherent that is intrinsic in their WAN connectivity.
6. Propagation
7. Latency
8. Noise
9. All of the mentioned ANSWER B
10. Which term best describes the ability to rapidly increase user accounts for a given cloud service?
11. Volatility
12. Synchronicity
13. Viability
14. Elasticity ANSWER D
15. Your company runs a virtualized web application server in-house. You decide to make the web applications available over the Internet through a cloud provider. Which method represents the quickest way to accomplish this?
16. Create a new cloud server, install web services, and install and configure web applications.
17. Create a new cloud server, install web services, and import web application data.
18. Migrate your in-house web application server to the cloud.
19. This cannot be done — only generic applications are available through the cloud.

ANSWER C

1. Purchasing software and providing it to a third party that installs and manages that software is an example of which of the following?
2. Virtualization
3. Application service provider
4. Platform as a service
5. Private cloud ANSWER B
6. You are the IT director for a retail clothing outlet. Your competitors are using Internet-delivered inventory, storage, and backup solutions from a specific provider. You conclude it is best that your company use the same services from the same provider. What type of cloud will you be subscribing to?
7. Community cloud
8. Retail cloud
9. Private cloud
10. Public cloud ANSWER A
11. As a developer for a software company, you have decided to build and test your web applications in a cloud environment. Which type of cloud service best meets your needs?
12. PaaS
13. SaaS
14. IaaS
15. Xaas ANSWER A
16. What cloud computing characteristic ensures services and data are always reachable?
17. Confidentiality
18. Integrity
19. Availability
20. Scalability ANSWER C
21. You must ensure that your business computing resources can quickly grow as business demands change. Which of the following allows this?
22. Confidentiality
23. Integrity
24. Availability
25. Scalability ANSWER D
26. Which of the following is most important area of concern in cloud computing ?
27. Security
28. Storage
29. Scalability
30. None ANSWER A
31. Which of the following is one of the unique attribute of Cloud Computing ?
32. utility type of delivery
33. elasticity
34. low barrier to entry
35. all of the above ANSWER D
36. Which of the following cloud concept is related to pooling and sharing of resources ?
37. Polymorphism
38. Virtualization
39. Abstraction
40. None of the mentioned ANSWER B
41. Point out the wrong statement :
42. A cloud is defined as the combination of the infrastructure of a datacenter with the ability to provision hardware and software
43. High touch applications are best done on-premises
44. The Google App Engine follows IaaS
45. All of the above ANSWER C
46. model consists of the particular types of services that you can access on a cloud computing platform.
47. Service
48. Deployment
49. Application
50. None of the mentioned ANSWER A
51. refers to the location and management of the cloud’s infrastructure.
52. Service
53. Deployment
54. Application
55. None of the mentioned ANSWER B
56. Which of the following is the deployment model?
57. public
58. private
59. hybrid
60. all of the mentioned ANSWER D
61. Point out the correct statement.
62. A deployment model defines the purpose of the cloud and the nature of how the cloud is located
63. Service model defines the purpose of the cloud and the nature of how the cloud is located
64. Cloud Square Model is meant to show is that the traditional notion of a network boundary being the network’s firewall no longer applies in cloud computing
65. All of the mentioned ANSWER A
66. The cloud infrastructure is operated for the exclusive use of an organization.
67. Public
68. Private
69. Community
70. All of the mentioned ANSWER B
71. provides virtual machines, virtual storage, virtual infrastructure, and other hardware assets.
72. IaaS
73. SaaS
74. PaaS
75. All of the mentioned ANSWER A
76. Point out the wrong statement.
77. A PaaS service adds integration features, middleware, and other orchestration and choreography services to the IaaS model
78. XaaS or ‘anything as a service’ is the delivery of IT as a Service through hybrid Cloud computing
79. Monitoring as a Service (MaaS) is at present still an emerging piece of the Cloud jigsaw
80. None of the mentioned ANSWER D
81. With cloud computing services, hardware purchases, software purchases, and IT support are the responsibility of whom?
82. Internet service provider
83. RraaS provider
84. SaaS provider
85. Application service provider ANSWER C
86. When you add a software stack, such as an operating system and applications to the service, the model shifts to model.
87. SaaS
88. PaaS
89. IaaS
90. All of the mentioned ANSWER A
91. Which of the following is most refined and restrictive service model ?
92. IaaS
93. CaaS
94. PaaS
95. All of the mentioned ANSWER C
96. All cloud computing applications suffer from the inherent that is intrinsic in their WAN connectivity.
97. propagation
98. latency
99. noise
100. All of the mentioned ANSWER B
101. Cloud computing is a system and it is necessarily unidirectional in nature.
102. stateless
103. stateful
104. reliable
105. None of the above ANSWER A
106. Which of the following is best known service model ?
107. SaaS
108. IaaS
109. PaaS
110. All of the mentioned ANSWER D
111. Which of the following is related to service provided by Cloud ?
112. Sourcing
113. Ownership
114. Reliability
115. AaaS ANSWER A
116. is a complete operating environment with applications, management, and the user interface.
117. IaaS
118. SaaS
119. PaaS
120. All of the mentioned ANSWER B
121. Which of the following cloud concept is related to pooling and sharing of resources ?
122. Polymorphism
123. Abstraction
124. Virtualization
125. None of the mentioned ANSWER C
126. A Level Agreement (SLA) is the contract for performance negotiated between you and a service provider.
127. Service
128. Application
129. Deployment
130. All of the mentioned ANSWER A
131. Which of the following is specified parameter of SLA ?
132. Response times
133. Responsibilities of each party
134. Warranties
135. All of the mentioned ANSWER D
136. Which of the architectural layer is used as backend in cloud computing ?
137. client
138. cloud
139. soft
140. All of the mentioned ANSWER B
141. A cloud requires virtualized storage to support the staging and storage of data.
142. soft
143. compute
144. local
145. None of the mentioned ANSWER B
146. Point out the wrong statement :
147. Virtual appliances are becoming a very important standard cloud computing deployment object
148. Cloud computing requires some standard protocols
149. Cloud computing relies on a set of protocols needed to manage interprocess communications
150. None of the mentioned ANSWER D
151. Which of the following is Cloud Platform by Amazon ?
152. Azure
153. AWS
154. Cloudera
155. All of the mentioned ANSWER B
156. Cloud computing is an abstraction based on the notion of pooling physical resources and presenting them as a resource.
157. real
158. virtual
159. cloud
160. None of the mentioned ANSWER B
161. Which of the following cloud concept is related to pooling and sharing of resources ?
162. Polymorphism
163. Abstraction
164. Virtualization
165. None of the mentioned ANSWER C
166. Which of the following type of virtualization is also characteristic of cloud computing?
167. Storage
168. Application
169. CPU
170. All of the Above ANSWER D
171. What facet of cloud computing helps to guard against downtime and determines costs?
172. Service-level agreements
173. Application programming interfaces
174. Virtual private networks
175. Bandwidth fees ANSWER A
176. Cloud Services have a relationship with their customers.
177. Many-to-many
178. One-to-many
179. One-to-one
180. None of the Name ANSWER B
181. What’s the most popular use case for public cloud computing today?
182. Test and development
183. Website hosting
184. Disaster recovery
185. Business analytics ANSWER A
186. Virtual Machine Ware (VMware) is an example of
187. Infrastructure Service
188. Platform Service
189. Software Service
190. None of the above ANSWER A
191. Geographic distribution of data across a cloud provider's network is a problem for many enterprises because it:
192. Makes data recovery harder
193. Adds latency
194. Raises security concerns
195. Breaks compliance regulations ANSWER D
196. Amazon Web Services is which type of cloud computing distribution model?
197. Software as a Service
198. Platform as a Service
199. Infrastructure as a Service
200. Software software as a service ANSWER C
201. Cloud computing networks are designed to support only private or hybrid clouds.
202. True
203. False ANSWER B
204. A good cloud computing network can be adjusted to provide bandwidth on demand.
205. True
206. False ANSWER A
207. A larger cloud network can be built as either a layer 3 or layer 4 network.
208. True
209. False ANSWER B
210. The typical three-layer switching topology will not create latency within a cloud network.
211. True
212. False ANSWER B
213. The term 'Cloud' in cloud-computing refers to .
214. The Internet
215. Cumulus Clouds
216. A Computer
217. Thin Clients ANSWER A
218. allows different operating systems to run in their own memory space.
219. VVM
220. VMC
221. VMM
222. All of the mentioned ANSWER C
223. as a Service is a cloud computing infrastructure that creates a development environment upon which applications may be build.
224. Infrastructure
225. Platform
226. Service
227. All of the mentioned ANSWER B
228. Which of the following cloud concept is related to pooling and sharing of resources ?
229. Polymorphism
230. Abstraction
231. Virtualization
232. None of the mentioned ANSWER C
233. Logical Network Perimeter can be implemented to
234. isolate IT resources in a cloud from non-authorized users
235. isolate IT resources in a cloud from non-users
236. isolate IT resources in a cloud from cloud consumers
237. all of the above ANSWER D
238. A is a form of virtualization software that emaluates a physical server.
239. virtual server
240. physical server
241. hybrid server
242. none of the above ANSWER A
243. Point out the wrong statement.
244. Abstraction enables the key benefit of cloud computing: shared, ubiquitous access
245. Virtualization assigns a logical name for a physical resource and then provides a pointer to that physical resource then a request is made
246. All cloud computing applications combine their resources into pools that can be assigned on demand to users
247. All of the mentioned ANSWER C
248. Which of the following type of virtualization is also characteristic of cloud computing?
249. Storage
250. Application
251. CPU
252. All of the mentioned ANSWER D
253. Point out the correct statement.
254. A client can request access to a cloud service from any location
255. A cloud has multiple application instances and directs requests to an instance based on conditions
256. Computers can be partitioned into a set of virtual machines with each machine being assigned a workload
257. All of the mentioned ANSWER D
258. Which of the following network resources can be load balanced?
259. Connections through intelligent switches
260. DNS
261. Storage resources
262. All of the mentioned ANSWER D
263. Which of the following type of virtualization is also characteristic of cloud computing ?
264. Storage
265. Application
266. CPU
267. All of the mentioned ANSWER D
268. Point out the correct statement :
269. A client can request access to a cloud service from any location
270. A cloud has multiple application instances and directs requests to an instance based on conditions
271. Computers can be partitioned into a set of virtual machines with each machine being assigned a workload
272. All of the mentioned ANSWER D
273. Which of the following is another name for system virtual machine ?
274. A hardware virtual machine
275. B) software virtual machine
276. C) real machine
277. D) None of the mentioned ANSWER A
278. A is a form of virtualization software that emaluates a physical server.
279. virtual server
280. physical server
281. hybrid server
282. none of the above ANSWER A
283. The IT resource that isolates the network environment within the data center infrastructure is called:
284. Virtual Firewall
285. Virtual Network
286. Both of the mentioned
287. None of the mentioned ANSWER B
288. A virtual server is a form of virtualization software that emulates:
289. Virtual network
290. Physical Server
291. IT Resource
292. None of the mentioned ANSWER B
293. Which mechanism is used to replicate several instances of a virtual server, using a stored virtual server image.
294. Hyperviser
295. Virtualization
296. Cloud Auditor
297. None of the mentioned ANSWER A
298. Internet works on
299. packet switching
300. circuit switching
301. both packet switching and circuit switching
302. data switching ANSWER A
303. Which protocol assigns IP address to the client connected in the internet?
304. DHCP
305. IP
306. RPC
307. RSVP ANSWER A
308. A is an extension of an enterprise’s private intranet across a public network such as the internet, creating a secure private connection.
309. VNP
310. VPN
311. VSN
312. VSPN ANSWER B
313. Which of the following is false with respect to UDP?
314. Connection-oriented
315. Unreliable
316. Transport layer protocol
317. Low overhead ANSWER A
318. What is the main advantage of UDP?
319. More overload
320. Reliable
321. Low overhead
322. Fast ANSWER C
323. Which of the following is false with respect to TCP?
324. Connection-oriented
325. Process-to-process
326. Transport layer protocol
327. Unreliable ANSWER D
328. In TCP, sending and receiving data is done as
329. Stream of bytes
330. Sequence of characters
331. Lines of data
332. Packets ANSWER A
333. The physical layer is concerned with
334. bit-by-bit delivery
335. process to process delivery
336. application to application delivery
337. port to port delivery ANSWER A
338. The data link layer takes the packets from and encapsulates them into frames for transmission.
339. network layer
340. physical layer
341. transport layer
342. application layer ANSWER A
343. The network layer is concerned with of data.
344. bits
345. frames
346. packets
347. bytes ANSWER C
348. Transport layer aggregates data from different applications into a single stream before passing it to
349. network layer
350. data link layer
351. application layer
352. physical layer ANSWER A
353. Which of the following are transport layer protocols used in networking?
354. TCP and FTP
355. UDP and HTTP
356. TCP and UDP
357. HTTP and FTP ANSWER C
358. This is a repository for the storage, management, and dissemination of data in which the mechanical, lighting, electrical and computer systems are designed for maximum energy efficiency and minimum environmental impact.
359. Storage lab
360. Data Center
361. Data warehouse
362. Fabric ANSWER B
363. Which three statements describe differences between Storage Area Network (SAN) and Network Attached Storage (NAS) solutions? Choose three.
364. SAN is generally more expensive but provides higher performance
365. NAS uses TCP/IP for communication between hosts and the NAS server
366. NAS requires additional hardware on a host: a host bus adapter for connectivity
367. SAN uses proprietary protocols for communication between hosts and the SAN fabric
368. i,ii, iii
369. i, ii, iv
370. ii, iii, iv
371. i, ii, iii ANSWER B
372. Resource is defined as the creation of multiple instances of the same IT resource.
373. Management
374. Provisioning
375. Replication
376. Allocation ANSWER C
377. A virtual server is a form of virtualization software that emulates:
378. Virtual network
379. Physical Server
380. IT Resource
381. None of the mentioned ANSWER B
382. Which mechanism is used to replicate several instances of a virtual server, using a stored virtual server image.
383. Hyperviser
384. Virtualization
385. Cloud Auditor
386. None of the mentioned ANSWER A
387. Which of the following type of virtualization is also characteristic of cloud computing?
388. Storage
389. Application
390. CPU
391. All of the mentioned ANSWER D
392. An IT resource that actively filters network traffic to and from the isolated network while controlling its interactions with the Internet.
393. Virtual Firewall
394. Virtual Network
395. Both of the mentioned
396. None of the mentioned ANSWER A
397. Point out the correct statement.
398. virtual machine is a computer that is walled off from the physical computer that the virtual machineis running on
399. Virtual machines provide the capability of running multiple machine instances, each with their own operating system
400. The downside of virtual machine technologies is that having resources indirectly addressed means there is some level of overhead
401. All of the mentioned ANSWER D
402. What is the full form of "FTP"?
403. File Tranmitting Protocol
404. File Transfer Protocol
405. Fast Transfer Protocol
406. Fast Transmitting Project ANSWER B
407. What is the full form of "HTTP"?
408. High Transfer Terra Page
409. Higher Transfer Technology Protocol
410. Hypertext Transfer Protocol
411. Hive Type Terminal Protocol ANSWER C
412. What is the full form of "ISP"?
413. Internet Service Provider
414. Internal Service Processor
415. International Server Provider
416. Internet System Processor ANSWER A
417. What is the full form of "OSI"?
418. Organisational Server Interface
419. Open Server Interconnection
420. Operating System Interface
421. Open System Interconnection ANSWER D
422. What is the full form of "SMTP"?
423. Structured Mail Transfer Protocol
424. Simple Mail Transmitting Protocol
425. Simple Mail Transfer Protocol
426. Server Mail Transfer Protocol ANSWER C
427. In SAN storage model, the operating system view storage resources as

—— devices

1. FC
2. SCSI
3. SAN
4. None of the mentioned ANSWER B

A is a form of virtualization software that emaluates a physical server

1. virtual server
2. physical server
3. hybrid server
4. none of the above ANSWER: A

The IT resource that isolates the network environment within the data center infrastructure is called:

1. Virtual Firewall
2. Virtual Network
3. Both of the mentioned
4. None of the mentioned ANSWER: B

A virtual server is a form of virtualization software that emulates:

1. Virtual network
2. Physical Server
3. IT Resource
4. None of the mentioned ANSWER: B

Which mechanism is used to replicate several instances of a virtual server, using a stored virtual server image.

1. Hyperviser
2. Virtualization
3. Cloud Auditor
4. None of the mentioned ANSWER: A

Internet works on

1. packet switching
2. circuit switching
3. both packet switching and circuit switching
4. data switching ANSWER: A

Which protocol assigns IP address to the client connected in the internet?

1. DHCP
2. IP
3. RPC
4. RSVP ANSWER: A

A is an extension of an enterprise’s private intranet across a public network such as the internet, creating a secure private connection.

1. VNP
2. VPN
3. VSN
4. VSPN ANSWER: B

Which of the following is false with respect to UDP?

1. Connection-oriented
2. Unreliable
3. Transport layer protocol
4. Low overhead ANSWER: A

What is the main advantage of UDP?

1. More overload
2. Reliable
3. Low overhead
4. Fast ANSWER: C

Which of the following is false with respect to TCP?

1. Connection-oriented
2. Process-to-process
3. Transport layer protocol
4. Unreliable ANSWER: D

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2. Sequence of characters
3. Lines of data
4. Packets ANSWER: A

The physical layer is concerned with

1. bit-by-bit delivery
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3. application to application delivery
4. port to port delivery ANSWER: A

The data link layer takes the packets from and encapsulates them into frames for transmission.

1. network layer
2. physical layer
3. transport layer
4. application layer ANSWER: A

The network layer is concerned with of data.

1. bits
2. frames
3. packets
4. bytes ANSWER: C

Transport layer aggregates data from different applications into a single stream before passing it to

1. network layer
2. data link layer
3. application layer
4. physical layer ANSWER: A

Which of the following are transport layer protocols used in networking?

1. TCP and FTP
2. UDP and HTTP
3. TCP and UDP
4. HTTP and FTP ANSWER: C

This is a repository for the storage, management, and dissemination of data in which the mechanical, lighting, electrical and computer systems are designed for maximum energy efficiency and minimum environmental impact.

1. Storage lab
2. Data Center
3. Data warehouse
4. Fabric

ANSWER: B

Which three statements describe differences between Storage Area Network (SAN) and Network Attached Storage (NAS) solutions? Choose three.

1. SAN is generally more expensive but provides higher performance
2. NAS uses TCP/IP for communication between hosts and the NAS server
3. NAS requires additional hardware on a host: a host bus adapter for connectivity
4. SAN uses proprietary protocols for communication between hosts and the SAN fabric
5. i,ii, iii
6. i, ii, iv
7. ii, iii, iv
8. i, ii, iii ANSWER: B

Resource is defined as the creation of multiple instances of the same IT resource.

1. Management
2. Provisioning
3. Replication
4. Allocation ANSWER: C

A virtual server is a form of virtualization software that emulates:

1. Virtual network
2. Physical Server
3. IT Resource
4. None of the mentioned ANSWER: B

Which mechanism is used to replicate several instances of a virtual server, using a stored virtual server image.

1. Hyperviser
2. Virtualization
3. Cloud Auditor
4. None of the mentioned ANSWER: A

Which of the following type of virtualization is also characteristic of cloud computing?

1. Storage
2. Application
3. CPU
4. All of the mentioned ANSWER: D

An IT resource that actively filters network traffic to and from the isolated network while controlling its interactions with the Internet.

1. Virtual Firewall
2. Virtual Network
3. Both of the mentioned
4. None of the mentioned ANSWER: A

Point out the correct statement.

1. A virtual machine is a computer that is walled off from the physical computer that the virtual machine

is running on

1. Virtual machines provide the capability of running multiple machine instances, each with their own operating system
2. The downside of virtual machine technologies is that having resources indirectly addressed means there is some level of overhead
3. All of the mentioned ANSWER: D

What is the full form of "FTP"?

1. File Tranmitting Protocol
2. File Transfer Protocol
3. Fast Transfer Protocol
4. Fast Transmitting Project ANSWER: B

What is the full form of "HTTP"?

1. High Transfer Terra Page
2. Higher Transfer Technology Protocol
3. Hypertext Transfer Protocol
4. Hive Type Terminal Protocol ANSWER: C

What is the full form of "ISP"?

1. Internet Service Provider
2. Internal Service Processor
3. International Server Provider
4. Internet System Processor ANSWER: A
5. The mechanism is used to specifically observe the runtime performance of cloud services to ensure that they are fulfilling the conteactual QoS requirements that are published in SLAs.

ANSWER: SLA Monitor

1. The data collected by the SLA monitor is processed by an

to be aggregated into SLA reporting metrics. ANSWER: SLA management system

1. The physical server polling has consecutively timed out three times, this generated event is termed as:

ANSWER: PS\_Unreachable

1. The previously unavailable physical server becomes responsive to polling again, this generated event is termed as:

ANSWER: PS\_Reachable

1. The mechanism measures cloud-based IT resource usage in accordance with predefined pricing parameters and generates usage logs for fee calculations and billing purposes.

ANSWER: Pay-Per-Use Monitor

1. The information that is used to identify the type of pricing model for usage fee calaculations, including pre-paid subscription with usage quota, post-paid subscription with maximum usage quota is termed as:

ANSWER: Cloud Consumer Subscription Type

1. When usage contracts define IT resource usage quotas, usage event conditions are typically supplemented with quota consumption and updated quota limits. This type of consumption is termed as:

ANSWER: Resource Usage Quota Consumption

1. A pay-per-use monitor designed as a that transparently intercepts and analyzes runtime communication with a cloud service.

ANSWER: Monitoring Agent

1. A monitoring agent that collects tracking data for networks and IT resources is Called

ANSWER: Audit Monitor

1. Which of the following are not Cloud management mechanisms ANSWER: Audit Monitor System
2. Failover System can be defined as

ANSWER: A system to increase the reliability and availability of IT resources by using established clustering technology to provide redundant implementations

1. Failover System include ANSWER: Both the mentioned
2. The monitoring agent that intercepts login requests and stores the requestors security credentials, as well as both failed attempts in a log database for future audit reporting purposes.

ANSWER: Audit Monitor

1. The mechanism that rely on the resource replication mechanism to supply the redundant IT resource instances is called

ANSWER: Failover systems

1. he implementation mecahnism used in the failoversystems are ANSWER: Resource replication
2. DAS-based: periodic synchronization can also be reffered as ANSWER: WORM based
3. A state management database is a

ANSWER: Storage Device

1. Storage management database is used to make software programs more ANSWER: scalable
2. The cloud management mechanism ANSWER: All of the above
3. The tools and APIs provided by remote administration system are used by ANSWER: Cloud Provider
4. The task performed by cloud consumers via a remote administration console is/are

ANSWER: All of the above

1. A is the core of the resource management system that coordinatesthe server hardware so that virtual server instances can be created from the underlying physical server.

ANSWER: virtual infrastructure manager

1. Which of the following is NOT the task of resource management system ANSWER: monitoring operational conditions of IT resources
2. A resource management system consist of . ANSWER: VIM platform and VIM image repository
3. mechanism is used to group multiple IT resource instances so that

they can be operated as single IT resource. ANSWER: Resource Cluster

1. Above layer a hypervisor is installed.

ANSWER: Physical Layer

1. Cluster specializes in distributing workloads among cluster nodes to increse IT resource capaacity, while preserving the centralization of IT resource management.

ANSWER: Load balanced Cluster

1. ia a general purpose portal that centralizes management controls to different cloud-based IT resources.

ANSWER: Usage and Administration Portal

1. The mechanism is used to specifically observe the runtime performance of cloud services to ensure that they are fulfilling the conteactual QoS requirements that are published in SLAs.
2. SLA Monitor
3. Load Balancer
4. Pay-Per-Use Monitor
5. Audit Monitor

ANSWER A

1. The data collected by the SLA monitor is processed by an

to be aggregated into SLA reporting metrics.

1. SLA administration system
2. SLA failure system
3. SLA management system
4. SLA auditing system

ANSWER C

1. The physical server polling has consecutively timed out three times, this generated event is termed as:
2. PS\_Timeout
3. PS\_Unreachable
4. PS\_Reachable
5. VM\_Unreachable

ANSWER B

1. The previously unavailable physical server becomes responsive to polling again, this generated event is termed as:
2. VM\_Reachable
3. PS\_Timeout
4. PS\_Reachable
5. VM\_Unreachable

ANSWER C

1. The mechanism measures cloud-based IT resource usage in accordance with predefined pricing parameters and generates usage logs for fee calculations and billing purposes.
2. Audit Monitor
3. SLA Monitor
4. Automated Scaling Listener
5. Pay-Per-Use Monitor

ANSWER D

1. !!!!The information that is used to identify the type of pricing model for usage fee calaculations, including pre-paid subscription with usage quota, post-paid subscription with maximum usage quota is termed as:
2. Resource Usage Quota Consumption
3. Cloud Consumer Subscription Type
4. Resource Usage Category
5. Bandwidth Consumption

ANSWER A

1. The billing management system uses this information to identify the range of usage fees that are applicable to each usage event. This particular information is termed as:
2. Resource Usage Quota Consumption
3. Cloud Consumer Subscription Type
4. Resource Usage Category
5. Bandwidth Consumption

ANSWER B

1. When usage contracts define IT resource usage quotas, usage event conditions are typically supplemented with quota consumption and updated quota limits.

This type of consumption is termed as:

1. Resource Usage Quota Consumption
2. Cloud Consumer Subscription Type
3. Resource Usage Category
4. Bandwidth Consumption

ANSWER A

1. A pay-per-use monitor implemented as a used to determine the usage period of a virtual server.
2. Resource Auditor
3. Resource Broker
4. Resource Admin
5. Resource Agent

ANSWER D

1. A pay-per-use monitor designed as a that transparently intercepts and analyzes runtime communication with a cloud service.
2. Resource Auditor
3. Monitoring Agent
4. Service Agent
5. Resource Agent

ANSWER B

1. A monitoring agent that collects tracking data for networks and IT resources is Called
2. Load balancer
3. Audit Monitor
4. Automated Scaling Listener
5. Pay-per use Monitor

ANSWER B

1. Which of the following are not Cloud management mechanisms
2. Remote Administration system
3. SLA Management System
4. Audit Monitor System
5. Billing Management System

ANSWER C

1. Failover System can be defined as
2. A system to increase the reliability and availability of IT resources by using established clustering technology to provide redundant implementations
3. A resource agent that monitors and keeps track of the runtime performance of cloud services.
4. The Failure of the system
5. None of the mentioned

ANSWER A

1. Failover System include
2. Only Active-Active
3. Only Active-Passive
4. None of the mentioned
5. Both the mentioned

ANSWER D

1. The monitoring agent that intercepts login requests and stores the requestors security credentials, as well as both failed attempts in a log database for future audit reporting purposes.
2. Pay-per-use monitor
3. SLA Monitor
4. Audit Monitor
5. Cloud Usage Monitor

ANSWER C

an virtualization layer used for different user applications managed by their own operating systems (guest OS) can run on the same hardware, independent of the host OS is refereed as

1. hypervisor
2. virtual machine monitor
3. Both the mentioned
4. None ANSWER: C

Which of the following is another name for the system virtual machine?

1. hardware virtual machine
2. software virtual machine
3. real machine
4. none of the mentioned ANSWER: A

Which of the following provide system resource access to virtual machines?

1. VMM
2. VMC
3. VNM
4. all of the mentioned ANSWER: A

Which of the following is Type 1 Hypervisor?

1. Wind River Simics
2. Virtual Server 2005 R2
3. KVM
4. LynxSecure ANSWER: D

Which of the following type of virtualization is found in hypervisor such as Microsoft’s Hyper-V?

1. paravirtualization
2. full virtualization
3. emulation
4. none of the mentioned ANSWER: A

In the virtual machine simulates hardware, so it can be independent of the underlying system hardware.

1. paravirtualization
2. full virtualization
3. emulation
4. none of the mentioned ANSWER: C

Point out the wrong statement.

1. Full virtualization requires that the host operating system provide a virtual machine interface for the guest operating system and that the guest access hardware through that host VM
2. Guest operating systems in full virtualization systems are generally faster than other virtualization schemes
3. a process virtual machine instantiates when a command begins a process
4. all of the mentioned ANSWER: A

In a scheme, the VM is installed as a Type 1 Hypervisor directly onto the hardware.

1. paravirtualization
2. full virtualization
3. emulation
4. none of the mentioned ANSWER: B

at the ISa level, virtualization is performed by emulating a given ISa by the ISa of

1. Virtual machine
2. Host machine
3. Guest OS
4. none of the mentioned ANSWER: B

Hardware-level virtualization is performed right on top of which harware devices

1. processors
2. memory
3. I/O devices
4. all of the mentioned ANSWER: D

vCUDa which allows applications executing within VMs to leverage GPU hardware acceleration is an exapmle for

1. hardware abstraction Level
2. Os-level Level
3. Library Support Level
4. User application Level ANSWER: C

The most popular approach which is to deploy high level language (HLL)VMs.

1. hardware abstraction Level
2. Os-level Level
3. Library Support Level
4. User application Level ANSWER: D

Virtulization can be implemeted in

1. hardware abstraction Level
2. Os-level Level
3. Library Support Level
4. all the mentioned ANSWER: D

which virtualization implementation level has more application flexibility

1. hardware abstraction Level
2. Instrction set architecture level
3. Library Support Level
4. User application Level ANSWER: B

which virtualization implementation level has more implementation complexity

1. hardware abstraction Level
2. Instrction set architecture level
3. Library Support Level
4. User application Level ANSWER: D

which virtualization implementation level has higher performance

1. hardware abstraction Level
2. Instrction set architecture level
3. Library Support Level
4. User application Level ANSWER: A

the basic concept of the vCUDa architecture consists of

1. the vCUDa library
2. a virtual GPU in the guest OS
3. vCUDa stub in the host OS
4. all the mentioned ANSWER: D

noncritical instructions run on the hardware directly while critical instructions are discovered and replaced with traps into the VMM to be emulated by software in

1. Full Virtualization
2. para Virtualization
3. Host- based Virtualization
4. None ANSWER: A

the type of Virtualization replaces nonvirtualizable instructions with hypercalls that communicate directly with the hypervisor or VMM

1. Full Virtualization
2. para Virtualization
3. Host- based Virtualization
4. None

ANSWER: B

In Para-Virtualization architecture ring-0 defines

1. para virualized guest-os
2. host-os
3. user apps
4. virtialization layer ANSWER: A

Which of the following type of virtualization is also characteristic of cloud computing?

1. Storage
2. application
3. CPU
4. all of the mentioned ANSWER: D

In Para-Virtualization architecture ring-3 defines

1. para virualized guest-os
2. host-os
3. user apps
4. virtialization layer ANSWER: C

Ring 0 represents In Para-Virtualization architecture

1. level having most privilege
2. level having least privilege
3. None

ANSWER: A

Ring 3 represents In Para-Virtualization architecture

1. level having most privilege
2. level having least privilege
3. None ANSWER: B

KVM (Kernel-Based VM) is a

1. Full Virtualized system
2. para Virtualized system
3. Host- based Virtualized system
4. None ANSWER: B

hypervisor kernel provides the same functionality as other operating systems, such as process creation, file system management, and process scheduling. It is designed to specifically support multiple virtual machines and to provide core functionalities, such as resource scheduling, I/O stacks, etc.

1. Hypervisor Components - VMM
2. Hypervisor Components - Kernel
3. Resource Control - Share
4. vSphere Key Components ANSWER: B

All cloud computing applications suffer from the inherent that is intrinsic in their WAN

connectivity. A) Propagation

1. Latency
2. Noise
3. All of the mentioned ANSWER: B

Which term best describes the ability to rapidly increase user accounts for a given cloud service?

1. Volatility
2. Synchronicity
3. Viability
4. Elasticity ANSWER: D

Your company runs a virtualized web application server in-house. You decide to make the web

applications available over the Internet through a cloud provider. Which method represents the

quickest way to accomplish this?

A) Create a new cloud server, install web services, and install and configure web applications. B) Create a new cloud server, install web services, and import web application data.

C) Migrate your in-house web application server to the cloud

. D) This cannot be done — only generic applications are available through the cloud. ANSWER: C

Purchasing software and providing it to a third party that installs and manages that software is an example of which of the following?

1. Virtualization
2. Application service provider
3. Platform as a service
4. Private cloud ANSWER: B

You are the IT director for a retail clothing outlet. Your competitors are using Internet-delivered

inventory, storage, and backup solutions from a specific provider. You conclude it is best that your

company use the same services from the same provider. What type of cloud will you be subscribing

to?

1. Community cloud
2. Retail cloud
3. Private cloud
4. Public cloud ANSWER: A

As a developer for a software company, you have decided to build and test your web applications in a

cloud environment. Which type of cloud service best meets your needs?

1. PaaS
2. SaaS
3. IaaS
4. Xaas ANSWER: A

What cloud computing characteristic ensures services and data are always reachable?

1. Confidentiality
2. Integrity
3. Availability
4. Scalability ANSWER: C

You must ensure that your business computing resources can quickly grow as business demands

change. Which of the following allows this?

1. Confidentiality
2. Integrity
3. Availability
4. Scalability ANSWER: D

Which of the following is most important area of concern in cloud computing ?

1. Security
2. Storage
3. Scalability
4. None ANSWER: A

Which of the following is one of the unique attribute of Cloud Computing ?

1. utility type of delivery
2. elasticity
3. low barrier to entry
4. all of the above ANSWER: D

Which of the following cloud concept is related to pooling and sharing of resources ?

1. Polymorphism
2. Virtualization
3. Abstraction
4. None of the mentioned ANSWER: B

Point out the wrong statement :

1. A cloud is defined as the combination of the infrastructure of a datacenter with the ability to

provision hardware and software

1. High touch applications are best done on-premises
2. The Google App Engine follows IaaS
3. All of the above ANSWER: C

model consists of the particular types of services that you can access on a cloud

computing platform. A) Service

1. Deployment
2. Application
3. None of the mentioned ANSWER: A

refers to the location and management of the cloud’s infrastructure. A) Service

1. Deployment
2. Application
3. None of the mentioned ANSWER: B

Which of the following is the deployment model?

1. public
2. private
3. hybrid
4. all of the mentioned ANSWER: D

Point out the correct statement. A) A deployment model defines the purpose of the cloud and the nature of how the cloud is located

1. Service model defines the purpose of the cloud and the nature of how the cloud is located
2. Cloud Square Model is meant to show is that the traditional notion of a network boundary being the network’s firewall no longer applies in cloud computing
3. All of the mentioned ANSWER: A

The cloud infrastructure is operated for the exclusive use of an organization. A) Public

1. Private
2. Community
3. All of the mentioned ANSWER: B

provides virtual machines, virtual storage, virtual infrastructure, and other hardware assets. A) IaaS

1. SaaS
2. PaaS
3. All of the mentioned ANSWER: A

Point out the wrong statement. A) A PaaS service adds integration features, middleware, and other orchestration and choreography

services to the IaaS model

1. XaaS or ‘anything as a service’ is the delivery of IT as a Service through hybrid Cloud computing
2. Monitoring as a Service (MaaS) is at present still an emerging piece of the Cloud jigsaw
3. None of the mentioned ANSWER: D

With cloud computing services, hardware purchases, software purchases, and IT support are the

responsibility of whom?

1. Internet service provider
2. RraaS provider
3. SaaS provider
4. Application service provider ANSWER: C

When you add a software stack, such as an operating system and applications to the service, the

model shifts to model. A) SaaS

1. PaaS
2. IaaS
3. All of the mentioned ANSWER: A

Which of the following is most refined and restrictive service model ?

1. IaaS
2. CaaS
3. PaaS
4. All of the mentioned ANSWER: C

All cloud computing applications suffer from the inherent that is intrinsic in their WAN

connectivity.

1. propagation
2. latency
3. noise
4. All of the mentioned ANSWER: B

Cloud computing is a system and it is necessarily unidirectional in nature.

1. stateless
2. stateful
3. reliable
4. None of the above ANSWER: A

Which of the following is best known service model ?

1. SaaS
2. IaaS
3. PaaS
4. All of the mentioned ANSWER: D

Which of the following is related to service provided by Cloud ?

1. Sourcing
2. Ownership
3. Reliability
4. AaaS ANSWER: A

is a complete operating environment with applications, management, and the user interface. A) IaaS

1. SaaS
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Which of the following cloud concept is related to pooling and sharing of resources ?

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A Level Agreement (SLA) is the contract for performance negotiated between you

and a

service provider. A) Service

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3. All of the mentioned ANSWER: A

Which of the following is specified parameter of SLA ?

1. Response times
2. Responsibilities of each party
3. Warranties
4. All of the mentioned ANSWER: D

Which of the architectural layer is used as backend in cloud computing ?

1. client
2. cloud
3. soft
4. All of the mentioned ANSWER: B

A cloud requires virtualized storage to support the staging and storage of data. A) soft

1. compute
2. local
3. None of the mentioned ANSWER: B

Point out the wrong statement :

1. Virtual appliances are becoming a very important standard cloud computing deployment object
2. Cloud computing requires some standard protocols
3. Cloud computing relies on a set of protocols needed to manage interprocess communications
4. None of the mentioned ANSWER: D

Which of the following is Cloud Platform by Amazon ?

1. Azure
2. AWS
3. Cloudera
4. All of the mentioned ANSWER: D

Cloud computing is an abstraction based on the notion of pooling physical resources and presenting

them as a resource. A) real

1. virtual
2. cloud
3. None of the mentioned ANSWER: B

Which of the following cloud concept is related to pooling and sharing of resources ?

1. Polymorphism
2. Abstraction
3. Virtualization
4. None of the mentioned ANSWER:C

Which of the following type of virtualization is also characteristic of cloud computing?

1. Storage
2. Application
3. CPU
4. All of the Above ANSWER: D

What facet of cloud computing helps to guard against downtime and determines costs?

1. Service-level agreements
2. Application programming interfaces
3. Virtual private networks
4. Bandwidth fees ANSWER: A

Cloud Services have a relationship with their customers.A) Many-to-many

1. One-to-many
2. One-to-one
3. None of the Name ANSWER: B

What’s the most popular use case for public cloud computing today?

1. Test and development
2. Website hosting
3. Disaster recovery
4. Business analytics ANSWER: A

Virtual Machine Ware (VMware) is an example of

1. Infrastructure Service
2. Platform Service
3. Software Service
4. None of the above ANSWER: A

Geographic distribution of data across a cloud provider's network is a problem for many

enterprises because it:

1. Makes data recovery harder
2. Adds latency
3. Raises security concerns
4. Breaks compliance regulations ANSWER: A

Amazon Web Services is which type of cloud computing distribution model?

1. Software as a Service
2. Platform as a Service
3. Infrastructure as a Service
4. Software software as a service ANSWER: C

Cloud computing networks are designed to support only private or hybrid clouds.

1. True
2. False ANSWER: B

A good cloud computing network can be adjusted to provide bandwidth on demand.

1. True
2. False ANSWER: A

A larger cloud network can be built as either a layer 3 or layer 4 network. A) True

B) False ANSWER: B

The typical three-layer switching topology will not create latency within a cloud network. A) True

B) False

ANSWER: B

The term 'Cloud' in cloud-computing refers to .

1. The Internet
2. Cumulus Clouds
3. A Computer
4. Thin Clients ANSWER: A

allows different operating systems to run in their own memory space.

1. VVM
2. VMC
3. VMM
4. All of the mentioned ANSWER: C

as a Service is a cloud computing infrastructure that creates a development

environment

upon which applications may be build. A) Infrastructure

1. Platform
2. Service
3. All of the mentioned ANSWER: B

Which of the following cloud concept is related to pooling and sharing of resources ?

1. Polymorphism
2. Abstraction
3. Virtualization
4. None of the mentioned ANSWER: C

Logical Network Perimeter can be implemented to

1. isolate IT resources in a cloud from non-authorized users
2. isolate IT resources in a cloud from non-users
3. isolate IT resources in a cloud from cloud consumers
4. all of the above Answer: D

A is a form of virtualization software that emaluates a physical server.

1. virtual server
2. physical server
3. hybrid server
4. none of the above Answer: A

Point out the wrong statement. A) Abstraction enables the key benefit of cloud computing: shared, ubiquitous access

1. Virtualization assigns a logical name for a physical resource and then provides a pointer to that physical resource when a request is made
2. All cloud computing applications combine their resources into pools that can be assigned on

demand to users

1. All of the mentioned ANSWER: C

Which of the following type of virtualization is also characteristic of cloud computing?

1. Storage
2. Application
3. CPU
4. All of the mentioned ANSWER: D

Point out the correct statement. A) A client can request access to a cloud service from any location

1. A cloud has multiple application instances and directs requests to an instance based on conditions
2. Computers can be partitioned into a set of virtual machines with each machine being assigned a

workload

1. All of the mentioned ANSWER: D

Which of the following network resources can be load balanced?

1. Connections through intelligent switches
2. DNS
3. Storage resources
4. All of the mentioned ANSWER: D

Which of the following type of virtualization is also characteristic of cloud computing ?

1. Storage
2. Application
3. CPU
4. All of the mentioned ANSWER: D

Point out the correct statement :

1. A client can request access to a cloud service from any location
2. A cloud has multiple application instances and directs requests to an instance based on conditions
3. Computers can be partitioned into a set of virtual machines with each machine being assigned a

workload

1. All of the mentioned ANSWER: D

Which of the following is another name for system virtual machine ? A hardware virtual machine

1. software virtual machine
2. real machine
3. None of the mentioned ANSWER: A

A is a form of virtualization software that emaluates a physical server.

1. virtual server
2. physical server
3. hybrid server
4. none of the above ANSWER: A

The IT resource that isolates the network environment within the data center infrastructure is called:

1. Virtual Firewall
2. Virtual Network
3. Both of the mentioned
4. None of the mentioned ANSWER: B

A virtual server is a form of virtualization software that emulates:

1. Virtual network
2. Physical Server
3. IT Resource
4. None of the mentioned ANSWER: B

Which mechanism is used to replicate several instances of a virtual server, using a stored virtual

server image. A) Hyperviser

1. Virtualization
2. Cloud Auditor
3. None of the mentioned ANSWER: A

Internet works on A) packet switching

1. circuit switching
2. both packet switching and circuit switching
3. data switching ANSWER: A

Which protocol assigns IP address to the client connected in the internet?

1. DHCP
2. IP
3. RPC
4. RSVP ANSWER: A

A is an extension of an enterprise’s private intranet across a public network such as the

internet, creating a secure private connection. A) VNP

1. VPN
2. VSN
3. VSPN ANSWER: B

Which of the following is false with respect to UDP?

1. Connection-oriented
2. Unreliable
3. Transport layer protocol
4. Low overhead ANSWER: A

What is the main advantage of UDP?

1. More overload
2. Reliable
3. Low overhead
4. Fast ANSWER: C

Which of the following is false with respect to TCP?

1. Connection-oriented
2. Process-to-process
3. Transport layer protocol
4. Unreliable ANSWER: D

In TCP, sending and receiving data is done as A) Stream of bytes

1. Sequence of characters
2. Lines of data
3. Packets ANSWER: A

The physical layer is concerned with A) bit-by-bit delivery

1. process to process delivery
2. application to application delivery
3. port to port delivery ANSWER: A

The data link layer takes the packets from and encapsulates them into frames for

transmission. A) network layer

1. physical layer
2. transport layer
3. application layer ANSWER: A

The network layer is concerned with of data. A) bits

1. frames
2. packets
3. bytes ANSWER: C

Transport layer aggregates data from different applications into a single stream before passing it to

A) network layer

1. data link layer
2. application layer
3. physical layer ANSWER: A

Which of the following are transport layer protocols used in networking?

1. TCP and FTP
2. UDP and HTTP
3. TCP and UDP
4. HTTP and FTP ANSWER: C

This is a repository for the storage, management, and dissemination of data in which the mechanical,

lighting, electrical and computer systems are designed for maximum energy efficiency and minimum

environmental impact. A) Storage lab

1. Data Center
2. Data warehouse
3. Fabric ANSWER: B

Which three statements describe differences between Storage Area Network (SAN) and Network

Attached Storage (NAS) solutions? Choose three.

1. SAN is generally more expensive but provides higher performance
2. NAS uses TCP/IP for communication between hosts and the NAS server
3. NAS requires additional hardware on a host: a host bus adapter for connectivity
4. SAN uses proprietary protocols for communication between hosts and the SAN fabric
5. i,ii, iii
6. i, ii, iv
7. ii, iii, iv
8. i, ii, iii ANSWER: B

Resource is defined as the creation of multiple instances of the same IT resource. A) Management

1. Provisioning
2. Replication
3. Allocation ANSWER: C

A virtual server is a form of virtualization software that emulates:

1. Virtual network
2. Physical Server
3. IT Resource
4. None of the mentioned

ANSWER: B

Which mechanism is used to replicate several instances of a virtual server, using a stored virtual

server image. A) Hyperviser

1. Virtualization
2. Cloud Auditor
3. None of the mentioned ANSWER: A

Which of the following type of virtualization is also characteristic of cloud computing?

1. Storage
2. Application
3. CPU
4. All of the mentioned ANSWER: D

An IT resource that actively filters network traffic to and from the isolated network while controlling

its interactions with the Internet. A) Virtual Firewall

1. Virtual Network
2. Both of the mentioned
3. None of the mentioned ANSWER: A

Point out the correct statement. a) A virtual machine is a computer that is walled off from the physical computer that the virtual

machine

is running on

1. Virtual machines provide the capability of running multiple machine instances, each with their own

operating system

1. The downside of virtual machine technologies is that having resources indirectly addressed means

there is some level of overhead

1. All of the mentioned ANSWER: D

What is the full form of "FTP"?

1. File Tranmitting Protocol
2. File Transfer Protocol
3. Fast Transfer Protocol
4. Fast Transmitting Project ANSWER: B

What is the full form of "HTTP"?

1. High Transfer Terra Page
2. Higher Transfer Technology Protocol
3. Hypertext Transfer Protocol
4. Hive Type Terminal Protocol What is the full form of "ISP"?
5. Internet Service Provider
6. Internal Service Processor
7. International Server Provider
8. Internet System Processor ANSWER: A

What is the full form of "OSI"?

1. Organisational Server Interface
2. Open Server Interconnection
3. Operating System Interface
4. Open System Interconnection ANSWER: D

What is the full form of "SMTP"?

1. Structured Mail Transfer Protocol
2. Simple Mail Transmitting Protocol
3. Simple Mail Transfer Protocol
4. Server Mail Transfer Protocol ANSWER: C

In SAN storage model, the operating system view storage resources as —— devices

1. FC
2. SCSI
3. SAN
4. None of the mentioned ANSWER: B

an virtualization layer used for different user applications managed by their own operating systems (guest OS) can run on the same hardware, independent of the host OS is refereed as

1. hypervisor
2. virtual machine monitor
3. Both the mentioned
4. None ANSWER: C

Which of the following is another name for the system virtual machine?

1. hardware virtual machine
2. software virtual machine
3. real machine
4. none of the mentioned ANSWER: A

Which of the following provide system resource access to virtual machines?

1. VMM
2. VMC
3. VNM
4. all of the mentioned ANSWER: A

Which of the following is Type 1 Hypervisor?

1. Wind River Simics
2. Virtual Server 2005 R2
3. KVM
4. LynxSecure

ANSWER: D

Which of the following type of virtualization is found in hypervisor such as Microsoft’s Hyper-V?

1. paravirtualization
2. full virtualization
3. emulation
4. none of the mentioned ANSWER: A

In the virtual machine simulates hardware, so it can be independent of the underlying system hardware.

1. paravirtualization
2. full virtualization
3. emulation
4. none of the mentioned ANSWER: C

Point out the wrong statement.

1. Full virtualization requires that the host operating system provide a virtual machine interface for the guest operating system and that the guest access hardware through that host VM
2. Guest operating systems in full virtualization systems are generally faster than other virtualization schemes
3. a process virtual machine instantiates when a command begins a process
4. all of the mentioned ANSWER: A

In a scheme, the VM is installed as a Type 1 Hypervisor directly onto the hardware.

1. paravirtualization
2. full virtualization
3. emulation
4. none of the mentioned

ANSWER: B

at the ISa level, virtualization is performed by emulating a given ISa by the ISa of

1. Virtual machine
2. Host machine
3. Guest OS
4. none of the mentioned ANSWER: B

Hardware-level virtualization is performed right on top of which harware devices

1. processors
2. memory
3. I/O devices
4. all of the mentioned ANSWER: D

vCUDa which allows applications executing within VMs to leverage GPU hardware acceleration is an exapmle for

1. hardware abstraction Level
2. Os-level Level
3. Library Support Level
4. User application Level ANSWER: C

The most popular approach which is to deploy high level language (HLL)VMs.

1. hardware abstraction Level
2. Os-level Level
3. Library Support Level
4. User application Level ANSWER: D

Virtulization can be implemeted in

1. hardware abstraction Level
2. Os-level Level
3. Library Support Level
4. all the mentioned ANSWER: D

which virtualization implementation level has more application flexibility

1. hardware abstraction Level
2. Instrction set architecture level
3. Library Support Level
4. User application Level ANSWER: B

which virtualization implementation level has more implementation complexity

1. hardware abstraction Level
2. Instrction set architecture level
3. Library Support Level
4. User application Level ANSWER: D

which virtualization implementation level has higher performance

1. hardware abstraction Level
2. Instrction set architecture level
3. Library Support Level
4. User application Level ANSWER: A

the basic concept of the vCUDa architecture consists of

1. the vCUDa library
2. a virtual GPU in the guest OS
3. vCUDa stub in the host OS
4. all the mentioned

ANSWER: D

noncritical instructions run on the hardware directly while critical instructions are discovered and replaced with traps into the VMM to be emulated by software in

1. Full Virtualization
2. para Virtualization
3. Host- based Virtualization
4. None ANSWER: A

the type of Virtualization replaces nonvirtualizable instructions with hypercalls that communicate directly with the hypervisor or VMM

1. Full Virtualization
2. para Virtualization
3. Host- based Virtualization
4. None ANSWER: B

In Para-Virtualization architecture ring-0 defines

1. para virualized guest-os
2. host-os
3. user apps
4. virtialization layer ANSWER: A

Which of the following type of virtualization is also characteristic of cloud computing?

1. Storage
2. application
3. CPU
4. all of the mentioned ANSWER: D

In Para-Virtualization architecture ring-3 defines

1. para virualized guest-os
2. host-os
3. user apps
4. virtialization layer ANSWER: C

Ring 0 represents In Para-Virtualization architecture

1. level having most privilege
2. level having least privilege
3. None ANSWER: A

Ring 3 represents In Para-Virtualization architecture

1. level having most privilege
2. level having least privilege
3. None ANSWER: B

KVM (Kernel-Based VM) is a

1. Full Virtualized system
2. para Virtualized system
3. Host- based Virtualized system
4. None ANSWER: B

hypervisor kernel provides the same functionality as other operating systems, such as process creation, file system management, and process scheduling. It is designed to specifically support multiple virtual machines and to provide core functionalities, such as resource scheduling, I/O stacks, etc.

1. Hypervisor Components - VMM
2. Hypervisor Components - Kernel
3. Resource Control - Share
4. vSphere Key Components ANSWER: B

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Unit 4 nav

All cloud computing applications suffer from the inherent that is intrinsic in their WAN connectivity.

1. Propagation
2. Latency
3. Noise
4. All of the mentioned ANSWER: B

Which term best describes the ability to rapidly increase user accounts for a given cloud service?

1. Volatility
2. Synchronicity
3. Viability
4. Elasticity ANSWER: D

Your company runs a virtualized web application server in-house. You decide to make the web applications available over the Internet through a cloud provider. Which method represents the quickest way to accomplish this?

1. Create a new cloud server, install web services, and install and configure web applications.
2. Create a new cloud server, install web services, and import web application data.
3. Migrate your in-house web application server to the cloud.
4. This cannot be done — only generic applications are available through the cloud.

ANSWER: C

Purchasing software and providing it to a third party that installs and manages that software is an example of which of the following?

1. Virtualization
2. Application service provider
3. Platform as a service
4. Private cloud ANSWER: B

You are the IT director for a retail clothing outlet. Your competitors are using Internet-delivered inventory, storage, and backup solutions from a specific provider. You conclude it is best that your company use the same services from the same provider. What type of cloud will you be subscribing to?

1. Community cloud
2. Retail cloud
3. Private cloud
4. Public cloud ANSWER: A

As a developer for a software company, you have decided to build and test your web applications in a cloud environment. Which type of cloud service best meets your needs?

1. PaaS
2. SaaS
3. IaaS
4. Xaas ANSWER: A

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Which of the following is most important area of concern in cloud computing ?

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2. Storage
3. Scalability
4. None

ANSWER: A

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2. elasticity
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----------- refers to the location and management of the cloud’s infrastructure.

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Which of the following is the deployment model?

1. public
2. private
3. hybrid
4. all of the mentioned

ANSWER: D

Point out the correct statement.

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2. Service model defines the purpose of the cloud and the nature of how the cloud is located
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3. Cloudera
4. All of the mentioned

ANSWER: D

Cloud computing is an abstraction based on the notion of pooling physical resources and presenting them as a resource.

1. real
2. virtual
3. cloud
4. None of the mentioned ANSWER: B

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1. Storage
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2. Application programming interfaces
3. Virtual private networks
4. Bandwidth fees ANSWER: A

Cloud Services have a relationship with their customers.

1. Many-to-many
2. One-to-many
3. One-to-one
4. None of the Name ANSWER: B

What’s the most popular use case for public cloud computing today?

1. Test and development
2. Website hosting
3. Disaster recovery
4. Business analytics ANSWER: A

Virtual Machine Ware (VMware) is an example of

1. Infrastructure Service
2. Platform Service
3. Software Service
4. None of the above ANSWER: A

Geographic distribution of data across a cloud provider's network is a problem for many enterprises because it:

1. Makes data recovery harder
2. Adds latency
3. Raises security concerns
4. Breaks compliance regulations ANSWER: A

Amazon Web Services is which type of cloud computing distribution model?

1. Software as a Service
2. Platform as a Service
3. Infrastructure as a Service
4. Software software as a service ANSWER: C

Cloud computing networks are designed to support only private or hybrid clouds.

1. True
2. False ANSWER: B

A good cloud computing network can be adjusted to provide bandwidth on demand.

1. True
2. False ANSWER: A

A larger cloud network can be built as either a layer 3 or layer 4 network.

1. True
2. False ANSWER: B

The typical three-layer switching topology will not create latency within a cloud network.

1. True
2. False ANSWER: B

The term 'Cloud' in cloud-computing refers to .

1. The Internet
2. Cumulus Clouds
3. A Computer
4. Thin Clients

ANSWER: A

------------allows different operating systems to run in their own memory space.

1. VVM
2. VMC
3. VMM
4. All of the mentioned ANSWER: C

----------- as a Service is a cloud computing infrastructure that creates a development environment upon which applications may be build.

1. Infrastructure
2. Platform
3. Service
4. All of the mentioned ANSWER: B

Which of the following cloud concept is related to pooling and sharing of resources ?

1. Polymorphism
2. Abstraction
3. Virtualization
4. None of the mentioned ANSWER: C

Logical Network Perimeter can be implemented to

1. isolate IT resources in a cloud from non-authorized users
2. isolate IT resources in a cloud from non-users
3. isolate IT resources in a cloud from cloud consumers
4. all of the above Answer: D

A -------- is a form of virtualization software that emaluates a physical server.

1. virtual server
2. physical server
3. hybrid server
4. none of the above Answer: A

Point out the wrong statement.

1. Abstraction enables the key benefit of cloud computing: shared, ubiquitous access
2. Virtualization assigns a logical name for a physical resource and then provides a pointer to that physical resource when a request is made
3. All cloud computing applications combine their resources into pools that can be assigned on demand to users
4. All of the mentioned ANSWER: C

Which of the following type of virtualization is also characteristic of cloud computing?

1. Storage
2. Application
3. CPU
4. All of the mentioned ANSWER: D

Point out the correct statement.

1. A client can request access to a cloud service from any location
2. A cloud has multiple application instances and directs requests to an instance based on conditions
3. Computers can be partitioned into a set of virtual machines with each machine being assigned a workload
4. All of the mentioned ANSWER: D

Which of the following network resources can be load balanced?

1. Connections through intelligent switches
2. DNS
3. Storage resources
4. All of the mentioned ANSWER: D

Which of the following type of virtualization is also characteristic of cloud computing ?

1. Storage
2. Application
3. CPU
4. All of the mentioned ANSWER: D

Point out the correct statement :

1. A client can request access to a cloud service from any location
2. A cloud has multiple application instances and directs requests to an instance based on conditions
3. Computers can be partitioned into a set of virtual machines with each machine being assigned a workload
4. All of the mentioned ANSWER: D

Which of the following is another name for system virtual machine ? A hardware virtual machine

1. software virtual machine
2. real machine
3. None of the mentioned ANSWER: A

A is a form of virtualization software that emaluates a physical server.

1. virtual server
2. physical server
3. hybrid server
4. none of the above ANSWER: A

The IT resource that isolates the network environment within the data center infrastructure is called:

1. Virtual Firewall
2. Virtual Network
3. Both of the mentioned
4. None of the mentioned ANSWER: B

A virtual server is a form of virtualization software that emulates:

1. Virtual network
2. Physical Server
3. IT Resource
4. None of the mentioned ANSWER: B

Which mechanism is used to replicate several instances of a virtual server, using a stored virtual server image.

1. Hyperviser
2. Virtualization
3. Cloud Auditor
4. None of the mentioned ANSWER: A

Internet works on

1. packet switching
2. circuit switching
3. both packet switching and circuit switching
4. data switching ANSWER: A

Which protocol assigns IP address to the client connected in the internet?

1. DHCP
2. IP
3. RPC
4. RSVP ANSWER: A

A -------- is an extension of an enterprise’s private intranet across a public network such as the internet, creating a secure private connection.

1. VNP
2. VPN
3. VSN
4. VSPN ANSWER: B

Which of the following is false with respect to UDP?

1. Connection-oriented
2. Unreliable
3. Transport layer protocol
4. Low overhead ANSWER: A

What is the main advantage of UDP?

1. More overload
2. Reliable
3. Low overhead
4. Fast ANSWER: C

Which of the following is false with respect to TCP?

1. Connection-oriented
2. Process-to-process
3. Transport layer protocol
4. Unreliable ANSWER: D

In TCP, sending and receiving data is done as

1. Stream of bytes
2. Sequence of characters
3. Lines of data
4. Packets

ANSWER: A

The physical layer is concerned with

1. bit-by-bit delivery
2. process to process delivery
3. application to application delivery
4. port to port delivery ANSWER: A

The data link layer takes the packets from and encapsulates them into

frames for transmission.

1. network layer
2. physical layer
3. transport layer
4. application layer ANSWER: A

The network layer is concerned with of data.

1. bits
2. frames
3. packets
4. bytes ANSWER: C

Transport layer aggregates data from different applications into a single stream before passing it to

1. network layer
2. data link layer
3. application layer
4. physical layer ANSWER: A

Which of the following are transport layer protocols used in networking?

1. TCP and FTP
2. UDP and HTTP
3. TCP and UDP
4. HTTP and FTP ANSWER: C

This is a repository for the storage, management, and dissemination of data in which the mechanical, lighting, electrical and computer systems are designed for maximum energy efficiency and minimum environmental impact.

1. Storage lab
2. Data Center
3. Data warehouse
4. Fabric ANSWER: B

Which three statements describe differences between Storage Area Network (SAN) and Network Attached Storage (NAS) solutions? Choose three.

1. SAN is generally more expensive but provides higher performance
2. NAS uses TCP/IP for communication between hosts and the NAS server
3. NAS requires additional hardware on a host: a host bus adapter for connectivity
4. SAN uses proprietary protocols for communication between hosts and the SAN fabric
5. i,ii, iii
6. i, ii, iv
7. ii, iii, iv
8. i, ii, iii ANSWER: B

Resource is defined as the creation of multiple instances of the same IT resource.

1. Management
2. Provisioning
3. Replication
4. Allocation ANSWER: C

A virtual server is a form of virtualization software that emulates:

1. Virtual network
2. Physical Server
3. IT Resource
4. None of the mentioned ANSWER: B

Which mechanism is used to replicate several instances of a virtual server, using a stored virtual server image.

1. Hyperviser
2. Virtualization
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4. None of the mentioned ANSWER: A

Which of the following type of virtualization is also characteristic of cloud computing?

1. Storage
2. Application
3. CPU
4. All of the mentioned ANSWER: D

An IT resource that actively filters network traffic to and from the isolated network while controlling its interactions with the Internet.

1. Virtual Firewall
2. Virtual Network
3. Both of the mentioned
4. None of the mentioned ANSWER: A

Point out the correct statement.

* 1. A virtual machine is a computer that is walled off from the physical computer that the virtual machine is running on
  2. Virtual machines provide the capability of running multiple machine instances, each with their own operating system
  3. The downside of virtual machine technologies is that having resources indirectly addressed means there is some level of overhead
  4. All of the mentioned ANSWER: D

What is the full form of "FTP"?

1. File Tranmitting Protocol
2. File Transfer Protocol
3. Fast Transfer Protocol
4. Fast Transmitting Project ANSWER: B

What is the full form of "HTTP"?

1. High Transfer Terra Page
2. Higher Transfer Technology Protocol
3. Hypertext Transfer Protocol
4. Hive Type Terminal Protocol ANSWER C

What is the full form of "ISP"?

1. Internet Service Provider
2. Internal Service Processor
3. International Server Provider
4. Internet System Processor ANSWER: A

What is the full form of "OSI"?

1. Organisational Server Interface
2. Open Server Interconnection
3. Operating System Interface
4. Open System Interconnection ANSWER: D

What is the full form of "SMTP"?

1. Structured Mail Transfer Protocol
2. Simple Mail Transmitting Protocol
3. Simple Mail Transfer Protocol
4. Server Mail Transfer Protocol ANSWER: C

In SAN storage model, the operating system view storage resources as —— devices

1. FC
2. SCSI
3. SAN
4. None of the mentioned ANSWER: B
5. All cloud computing applications suffer from the inherent that is intrinsic in their WAN connectivity.
6. Propagation
7. Latency
8. Noise
9. All of the mentioned ANSWER B
10. Which term best describes the ability to rapidly increase user accounts for a given cloud service?
11. Volatility
12. Synchronicity
13. Viability
14. Elasticity ANSWER D
15. Your company runs a virtualized web application server in-house. You decide to make the web applications available over the Internet through a cloud provider. Which method represents the quickest way to accomplish this?
16. Create a new cloud server, install web services, and install and configure web applications.
17. Create a new cloud server, install web services, and import web application data.
18. Migrate your in-house web application server to the cloud.
19. This cannot be done — only generic applications are available through the cloud.

ANSWER C

1. Purchasing software and providing it to a third party that installs and manages that software is an example of which of the following?
2. Virtualization
3. Application service provider
4. Platform as a service
5. Private cloud ANSWER B
6. You are the IT director for a retail clothing outlet. Your competitors are using Internet-delivered inventory, storage, and backup solutions from a specific provider. You conclude it is best that your company use the same services from the same provider. What type of cloud will you be subscribing to?
7. Community cloud
8. Retail cloud
9. Private cloud
10. Public cloud ANSWER A
11. As a developer for a software company, you have decided to build and test your web applications in a cloud environment. Which type of cloud service best meets your needs?
12. PaaS
13. SaaS
14. IaaS
15. Xaas ANSWER A
16. What cloud computing characteristic ensures services and data are always reachable?
17. Confidentiality
18. Integrity
19. Availability
20. Scalability ANSWER C
21. You must ensure that your business computing resources can quickly grow as business demands change. Which of the following allows this?
22. Confidentiality
23. Integrity
24. Availability
25. Scalability ANSWER D
26. Which of the following is most important area of concern in cloud computing ?
27. Security
28. Storage
29. Scalability
30. None ANSWER A
31. Which of the following is one of the unique attribute of Cloud Computing ?
32. utility type of delivery
33. elasticity
34. low barrier to entry
35. all of the above ANSWER D
36. Which of the following cloud concept is related to pooling and sharing of resources ?
37. Polymorphism
38. Virtualization
39. Abstraction
40. None of the mentioned ANSWER B
41. Point out the wrong statement :
42. A cloud is defined as the combination of the infrastructure of a datacenter with the ability to provision hardware and software
43. High touch applications are best done on-premises
44. The Google App Engine follows IaaS
45. All of the above ANSWER C
46. model consists of the particular types of services that you can access on a cloud computing platform.
47. Service
48. Deployment
49. Application
50. None of the mentioned ANSWER A
51. refers to the location and management of the cloud’s infrastructure.
52. Service
53. Deployment
54. Application
55. None of the mentioned ANSWER B
56. Which of the following is the deployment model?
57. public
58. private
59. hybrid
60. all of the mentioned ANSWER D
61. Point out the correct statement.
62. A deployment model defines the purpose of the cloud and the nature of how the cloud is located
63. Service model defines the purpose of the cloud and the nature of how the cloud is located
64. Cloud Square Model is meant to show is that the traditional notion of a network boundary being the network’s firewall no longer applies in cloud computing
65. All of the mentioned ANSWER A
66. The cloud infrastructure is operated for the exclusive use of an organization.
67. Public
68. Private
69. Community
70. All of the mentioned ANSWER B
71. provides virtual machines, virtual storage, virtual infrastructure, and other hardware assets.
72. IaaS
73. SaaS
74. PaaS
75. All of the mentioned ANSWER A
76. Point out the wrong statement.
77. A PaaS service adds integration features, middleware, and other orchestration and choreography services to the IaaS model
78. XaaS or ‘anything as a service’ is the delivery of IT as a Service through hybrid Cloud computing
79. Monitoring as a Service (MaaS) is at present still an emerging piece of the Cloud jigsaw
80. None of the mentioned ANSWER D
81. With cloud computing services, hardware purchases, software purchases, and IT support are the responsibility of whom?
82. Internet service provider
83. RraaS provider
84. SaaS provider
85. Application service provider ANSWER C
86. When you add a software stack, such as an operating system and applications to the service, the model shifts to model.
87. SaaS
88. PaaS
89. IaaS
90. All of the mentioned ANSWER A
91. Which of the following is most refined and restrictive service model ?
92. IaaS
93. CaaS
94. PaaS
95. All of the mentioned ANSWER C
96. All cloud computing applications suffer from the inherent that is intrinsic in their WAN connectivity.
97. propagation
98. latency
99. noise
100. All of the mentioned ANSWER B
101. Cloud computing is a system and it is necessarily unidirectional in nature.
102. stateless
103. stateful
104. reliable
105. None of the above ANSWER A
106. Which of the following is best known service model ?
107. SaaS
108. IaaS
109. PaaS
110. All of the mentioned ANSWER D
111. Which of the following is related to service provided by Cloud ?
112. Sourcing
113. Ownership
114. Reliability
115. AaaS ANSWER A
116. is a complete operating environment with applications, management, and the user interface.
117. IaaS
118. SaaS
119. PaaS
120. All of the mentioned ANSWER B
121. Which of the following cloud concept is related to pooling and sharing of resources ?
122. Polymorphism
123. Abstraction
124. Virtualization
125. None of the mentioned ANSWER C
126. A Level Agreement (SLA) is the contract for performance negotiated between you and a service provider.
127. Service
128. Application
129. Deployment
130. All of the mentioned ANSWER A
131. Which of the following is specified parameter of SLA ?
132. Response times
133. Responsibilities of each party
134. Warranties
135. All of the mentioned ANSWER D
136. Which of the architectural layer is used as backend in cloud computing ?
137. client
138. cloud
139. soft
140. All of the mentioned ANSWER B
141. A cloud requires virtualized storage to support the staging and storage of data.
142. soft
143. compute
144. local
145. None of the mentioned ANSWER B
146. Point out the wrong statement :
147. Virtual appliances are becoming a very important standard cloud computing deployment object
148. Cloud computing requires some standard protocols
149. Cloud computing relies on a set of protocols needed to manage interprocess communications
150. None of the mentioned ANSWER D
151. Which of the following is Cloud Platform by Amazon ?
152. Azure
153. AWS
154. Cloudera
155. All of the mentioned ANSWER B
156. Cloud computing is an abstraction based on the notion of pooling physical resources and presenting them as a resource.
157. real
158. virtual
159. cloud
160. None of the mentioned ANSWER B
161. Which of the following cloud concept is related to pooling and sharing of resources ?
162. Polymorphism
163. Abstraction
164. Virtualization
165. None of the mentioned ANSWER C
166. Which of the following type of virtualization is also characteristic of cloud computing?
167. Storage
168. Application
169. CPU
170. All of the Above ANSWER D
171. What facet of cloud computing helps to guard against downtime and determines costs?
172. Service-level agreements
173. Application programming interfaces
174. Virtual private networks
175. Bandwidth fees ANSWER A
176. Cloud Services have a relationship with their customers.
177. Many-to-many
178. One-to-many
179. One-to-one
180. None of the Name ANSWER B
181. What’s the most popular use case for public cloud computing today?
182. Test and development
183. Website hosting
184. Disaster recovery
185. Business analytics ANSWER A
186. Virtual Machine Ware (VMware) is an example of
187. Infrastructure Service
188. Platform Service
189. Software Service
190. None of the above ANSWER A
191. Geographic distribution of data across a cloud provider's network is a problem for many enterprises because it:
192. Makes data recovery harder
193. Adds latency
194. Raises security concerns
195. Breaks compliance regulations ANSWER D
196. Amazon Web Services is which type of cloud computing distribution model?
197. Software as a Service
198. Platform as a Service
199. Infrastructure as a Service
200. Software software as a service ANSWER C
201. Cloud computing networks are designed to support only private or hybrid clouds.
202. True
203. False ANSWER B
204. A good cloud computing network can be adjusted to provide bandwidth on demand.
205. True
206. False ANSWER A
207. A larger cloud network can be built as either a layer 3 or layer 4 network.
208. True
209. False ANSWER B
210. The typical three-layer switching topology will not create latency within a cloud network.
211. True
212. False ANSWER B
213. The term 'Cloud' in cloud-computing refers to .
214. The Internet
215. Cumulus Clouds
216. A Computer
217. Thin Clients ANSWER A
218. allows different operating systems to run in their own memory space.
219. VVM
220. VMC
221. VMM
222. All of the mentioned ANSWER C
223. as a Service is a cloud computing infrastructure that creates a development environment upon which applications may be build.
224. Infrastructure
225. Platform
226. Service
227. All of the mentioned ANSWER B
228. Which of the following cloud concept is related to pooling and sharing of resources ?
229. Polymorphism
230. Abstraction
231. Virtualization
232. None of the mentioned ANSWER C
233. Logical Network Perimeter can be implemented to
234. isolate IT resources in a cloud from non-authorized users
235. isolate IT resources in a cloud from non-users
236. isolate IT resources in a cloud from cloud consumers
237. all of the above ANSWER D
238. A is a form of virtualization software that emaluates a physical server.
239. virtual server
240. physical server
241. hybrid server
242. none of the above ANSWER A
243. Point out the wrong statement.
244. Abstraction enables the key benefit of cloud computing: shared, ubiquitous access
245. Virtualization assigns a logical name for a physical resource and then provides a pointer to that physical resource then a request is made
246. All cloud computing applications combine their resources into pools that can be assigned on demand to users
247. All of the mentioned ANSWER C
248. Which of the following type of virtualization is also characteristic of cloud computing?
249. Storage
250. Application
251. CPU
252. All of the mentioned ANSWER D
253. Point out the correct statement.
254. A client can request access to a cloud service from any location
255. A cloud has multiple application instances and directs requests to an instance based on conditions
256. Computers can be partitioned into a set of virtual machines with each machine being assigned a workload
257. All of the mentioned ANSWER D
258. Which of the following network resources can be load balanced?
259. Connections through intelligent switches
260. DNS
261. Storage resources
262. All of the mentioned ANSWER D
263. Which of the following type of virtualization is also characteristic of cloud computing ?
264. Storage
265. Application
266. CPU
267. All of the mentioned ANSWER D
268. Point out the correct statement :
269. A client can request access to a cloud service from any location
270. A cloud has multiple application instances and directs requests to an instance based on conditions
271. Computers can be partitioned into a set of virtual machines with each machine being assigned a workload
272. All of the mentioned ANSWER D
273. Which of the following is another name for system virtual machine ?
274. A hardware virtual machine
275. B) software virtual machine
276. C) real machine
277. D) None of the mentioned ANSWER A
278. A is a form of virtualization software that emaluates a physical server.
279. virtual server
280. physical server
281. hybrid server
282. none of the above ANSWER A
283. The IT resource that isolates the network environment within the data center infrastructure is called:
284. Virtual Firewall
285. Virtual Network
286. Both of the mentioned
287. None of the mentioned ANSWER B
288. A virtual server is a form of virtualization software that emulates:
289. Virtual network
290. Physical Server
291. IT Resource
292. None of the mentioned ANSWER B
293. Which mechanism is used to replicate several instances of a virtual server, using a stored virtual server image.
294. Hyperviser
295. Virtualization
296. Cloud Auditor
297. None of the mentioned ANSWER A
298. Internet works on
299. packet switching
300. circuit switching
301. both packet switching and circuit switching
302. data switching ANSWER A
303. Which protocol assigns IP address to the client connected in the internet?
304. DHCP
305. IP
306. RPC
307. RSVP ANSWER A
308. A is an extension of an enterprise’s private intranet across a public network such as the internet, creating a secure private connection.
309. VNP
310. VPN
311. VSN
312. VSPN ANSWER B
313. Which of the following is false with respect to UDP?
314. Connection-oriented
315. Unreliable
316. Transport layer protocol
317. Low overhead ANSWER A
318. What is the main advantage of UDP?
319. More overload
320. Reliable
321. Low overhead
322. Fast ANSWER C
323. Which of the following is false with respect to TCP?
324. Connection-oriented
325. Process-to-process
326. Transport layer protocol
327. Unreliable ANSWER D
328. In TCP, sending and receiving data is done as
329. Stream of bytes
330. Sequence of characters
331. Lines of data
332. Packets ANSWER A
333. The physical layer is concerned with
334. bit-by-bit delivery
335. process to process delivery
336. application to application delivery
337. port to port delivery ANSWER A
338. The data link layer takes the packets from and encapsulates them into frames for transmission.
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340. physical layer
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342. application layer ANSWER A
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344. bits
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347. bytes ANSWER C
348. Transport layer aggregates data from different applications into a single stream before passing it to
349. network layer
350. data link layer
351. application layer
352. physical layer ANSWER A
353. Which of the following are transport layer protocols used in networking?
354. TCP and FTP
355. UDP and HTTP
356. TCP and UDP
357. HTTP and FTP ANSWER C
358. This is a repository for the storage, management, and dissemination of data in which the mechanical, lighting, electrical and computer systems are designed for maximum energy efficiency and minimum environmental impact.
359. Storage lab
360. Data Center
361. Data warehouse
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367. SAN uses proprietary protocols for communication between hosts and the SAN fabric
368. i,ii, iii
369. i, ii, iv
370. ii, iii, iv
371. i, ii, iii ANSWER B
372. Resource is defined as the creation of multiple instances of the same IT resource.
373. Management
374. Provisioning
375. Replication
376. Allocation ANSWER C
377. A virtual server is a form of virtualization software that emulates:
378. Virtual network
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381. None of the mentioned ANSWER B
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400. The downside of virtual machine technologies is that having resources indirectly addressed means there is some level of overhead
401. All of the mentioned ANSWER D
402. What is the full form of "FTP"?
403. File Tranmitting Protocol
404. File Transfer Protocol
405. Fast Transfer Protocol
406. Fast Transmitting Project ANSWER B
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409. Higher Transfer Technology Protocol
410. Hypertext Transfer Protocol
411. Hive Type Terminal Protocol ANSWER C
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413. Internet Service Provider
414. Internal Service Processor
415. International Server Provider
416. Internet System Processor ANSWER A
417. What is the full form of "OSI"?
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419. Open Server Interconnection
420. Operating System Interface
421. Open System Interconnection ANSWER D
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424. Simple Mail Transmitting Protocol
425. Simple Mail Transfer Protocol
426. Server Mail Transfer Protocol ANSWER C
427. In SAN storage model, the operating system view storage resources as

—— devices

1. FC
2. SCSI
3. SAN
4. None of the mentioned ANSWER B

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1. virtual server
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3. hybrid server
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1. VNP
2. VPN
3. VSN
4. VSPN ANSWER: B

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4. Low overhead ANSWER: A

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1. More overload
2. Reliable
3. Low overhead
4. Fast ANSWER: C

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1. Connection-oriented
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3. Transport layer protocol
4. Unreliable ANSWER: D

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3. Lines of data
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2. process to process delivery
3. application to application delivery
4. port to port delivery ANSWER: A

The data link layer takes the packets from and encapsulates them into frames for transmission.

1. network layer
2. physical layer
3. transport layer
4. application layer ANSWER: A

The network layer is concerned with of data.

1. bits
2. frames
3. packets
4. bytes ANSWER: C

Transport layer aggregates data from different applications into a single stream before passing it to

1. network layer
2. data link layer
3. application layer
4. physical layer ANSWER: A

Which of the following are transport layer protocols used in networking?

1. TCP and FTP
2. UDP and HTTP
3. TCP and UDP
4. HTTP and FTP ANSWER: C

This is a repository for the storage, management, and dissemination of data in which the mechanical, lighting, electrical and computer systems are designed for maximum energy efficiency and minimum environmental impact.

1. Storage lab
2. Data Center
3. Data warehouse
4. Fabric ANSWER: B

Which three statements describe differences between Storage Area Network (SAN) and Network Attached Storage (NAS) solutions? Choose three.

1. SAN is generally more expensive but provides higher performance
2. NAS uses TCP/IP for communication between hosts and the NAS server
3. NAS requires additional hardware on a host: a host bus adapter for connectivity
4. SAN uses proprietary protocols for communication between hosts and the SAN fabric
5. i,ii, iii
6. i, ii, iv
7. ii, iii, iv
8. i, ii, iii ANSWER: B

Resource is defined as the creation of multiple instances of the same IT resource.

1. Management
2. Provisioning
3. Replication
4. Allocation ANSWER: C

A virtual server is a form of virtualization software that emulates:

1. Virtual network
2. Physical Server
3. IT Resource
4. None of the mentioned ANSWER: B

Which mechanism is used to replicate several instances of a virtual server, using a stored virtual server image.

1. Hyperviser
2. Virtualization
3. Cloud Auditor
4. None of the mentioned ANSWER: A

Which of the following type of virtualization is also characteristic of cloud computing?

1. Storage
2. Application
3. CPU
4. All of the mentioned ANSWER: D

An IT resource that actively filters network traffic to and from the isolated network while controlling its interactions with the Internet.

1. Virtual Firewall
2. Virtual Network
3. Both of the mentioned
4. None of the mentioned ANSWER: A

Point out the correct statement.

1. A virtual machine is a computer that is walled off from the physical computer that the virtual machine

is running on

1. Virtual machines provide the capability of running multiple machine instances, each with their own operating system
2. The downside of virtual machine technologies is that having resources indirectly addressed means there is some level of overhead
3. All of the mentioned ANSWER: D

What is the full form of "FTP"?

1. File Tranmitting Protocol
2. File Transfer Protocol
3. Fast Transfer Protocol
4. Fast Transmitting Project ANSWER: B

What is the full form of "HTTP"?

1. High Transfer Terra Page
2. Higher Transfer Technology Protocol
3. Hypertext Transfer Protocol
4. Hive Type Terminal Protocol ANSWER: C

What is the full form of "ISP"?

1. Internet Service Provider
2. Internal Service Processor
3. International Server Provider
4. Internet System Processor ANSWER: A
5. The mechanism is used to specifically observe the runtime performance of cloud services to ensure that they are fulfilling the conteactual QoS requirements that are published in SLAs.

ANSWER: SLA Monitor

1. The data collected by the SLA monitor is processed by an

to be aggregated into SLA reporting metrics. ANSWER: SLA management system

1. The physical server polling has consecutively timed out three times, this generated event is termed as:

ANSWER: PS\_Unreachable

1. The previously unavailable physical server becomes responsive to polling again, this generated event is termed as:

ANSWER: PS\_Reachable

1. The mechanism measures cloud-based IT resource usage in accordance with predefined pricing parameters and generates usage logs for fee calculations and billing purposes.

ANSWER: Pay-Per-Use Monitor

1. The information that is used to identify the type of pricing model for usage fee calaculations, including pre-paid subscription with usage quota, post-paid subscription with maximum usage quota is termed as:

ANSWER: Cloud Consumer Subscription Type

1. When usage contracts define IT resource usage quotas, usage event conditions are typically supplemented with quota consumption and updated quota limits. This type of consumption is termed as:

ANSWER: Resource Usage Quota Consumption

1. A pay-per-use monitor designed as a that transparently intercepts and analyzes runtime communication with a cloud service.

ANSWER: Monitoring Agent

1. A monitoring agent that collects tracking data for networks and IT resources is Called

ANSWER: Audit Monitor

1. Which of the following are not Cloud management mechanisms ANSWER: Audit Monitor System
2. Failover System can be defined as

ANSWER: A system to increase the reliability and availability of IT resources by using established clustering technology to provide redundant implementations

1. Failover System include ANSWER: Both the mentioned
2. The monitoring agent that intercepts login requests and stores the requestors security credentials, as well as both failed attempts in a log database for future audit reporting purposes.

ANSWER: Audit Monitor

1. The mechanism that rely on the resource replication mechanism to supply the redundant IT resource instances is called

ANSWER: Failover systems

1. he implementation mecahnism used in the failoversystems are ANSWER: Resource replication
2. DAS-based: periodic synchronization can also be reffered as ANSWER: WORM based
3. A state management database is a ANSWER: Storage Device
4. Storage management database is used to make software programs more ANSWER: scalable
5. The cloud management mechanism ANSWER: All of the above
6. The tools and APIs provided by remote administration system are used by ANSWER: Cloud Provider
7. The task performed by cloud consumers via a remote administration console is/are

ANSWER: All of the above

1. A is the core of the resource management system that coordinatesthe server hardware so that virtual server instances can be created from the underlying physical server.

ANSWER: virtual infrastructure manager

1. Which of the following is NOT the task of resource management system ANSWER: monitoring operational conditions of IT resources
2. A resource management system consist of . ANSWER: VIM platform and VIM image repository
3. mechanism is used to group multiple IT resource instances so that

they can be operated as single IT resource. ANSWER: Resource Cluster

1. Above layer a hypervisor is installed.

ANSWER: Physical Layer

1. Cluster specializes in distributing workloads among cluster nodes to increse IT resource capaacity, while preserving the centralization of IT resource management.

ANSWER: Load balanced Cluster

1. ia a general purpose portal that centralizes management controls to different cloud-based IT resources.

ANSWER: Usage and Administration Portal

1. The mechanism is used to specifically observe the runtime performance of cloud services to ensure that they are fulfilling the conteactual QoS requirements that are published in SLAs.
2. SLA Monitor
3. Load Balancer
4. Pay-Per-Use Monitor
5. Audit Monitor

ANSWER A

1. The data collected by the SLA monitor is processed by an

to be aggregated into SLA reporting metrics.

1. SLA administration system
2. SLA failure system
3. SLA management system
4. SLA auditing system

ANSWER C

1. The physical server polling has consecutively timed out three times, this generated event is termed as:
2. PS\_Timeout
3. PS\_Unreachable
4. PS\_Reachable
5. VM\_Unreachable

ANSWER B

1. The previously unavailable physical server becomes responsive to polling again, this generated event is termed as:
2. VM\_Reachable
3. PS\_Timeout
4. PS\_Reachable
5. VM\_Unreachable

ANSWER C

1. The mechanism measures cloud-based IT resource usage in accordance with predefined pricing parameters and generates usage logs for fee calculations and billing purposes.
2. Audit Monitor
3. SLA Monitor
4. Automated Scaling Listener
5. Pay-Per-Use Monitor

ANSWER D

1. !!!!The information that is used to identify the type of pricing model for usage fee calaculations, including pre-paid subscription with usage quota, post-paid subscription with maximum usage quota is termed as:
2. Resource Usage Quota Consumption
3. Cloud Consumer Subscription Type
4. Resource Usage Category
5. Bandwidth Consumption

ANSWER A

1. The billing management system uses this information to identify the range of usage fees that are applicable to each usage event. This particular information is termed as:
2. Resource Usage Quota Consumption
3. Cloud Consumer Subscription Type
4. Resource Usage Category
5. Bandwidth Consumption

ANSWER B

1. When usage contracts define IT resource usage quotas, usage event conditions are typically supplemented with quota consumption and updated quota limits.

This type of consumption is termed as:

1. Resource Usage Quota Consumption
2. Cloud Consumer Subscription Type
3. Resource Usage Category
4. Bandwidth Consumption

ANSWER A

1. A pay-per-use monitor implemented as a used to determine the usage period of a virtual server.
2. Resource Auditor
3. Resource Broker
4. Resource Admin
5. Resource Agent

ANSWER D

1. A pay-per-use monitor designed as a that transparently intercepts and analyzes runtime communication with a cloud service.
2. Resource Auditor
3. Monitoring Agent
4. Service Agent
5. Resource Agent

ANSWER B

1. A monitoring agent that collects tracking data for networks and IT resources is Called
2. Load balancer
3. Audit Monitor
4. Automated Scaling Listener
5. Pay-per use Monitor

ANSWER B

1. Which of the following are not Cloud management mechanisms
2. Remote Administration system
3. SLA Management System
4. Audit Monitor System
5. Billing Management System

ANSWER C

1. Failover System can be defined as
2. A system to increase the reliability and availability of IT resources by using established clustering technology to provide redundant implementations
3. A resource agent that monitors and keeps track of the runtime performance of cloud services.
4. The Failure of the system
5. None of the mentioned

ANSWER A

1. Failover System include
2. Only Active-Active
3. Only Active-Passive
4. None of the mentioned
5. Both the mentioned

ANSWER D

1. The monitoring agent that intercepts login requests and stores the requestors security credentials, as well as both failed attempts in a log database for future audit reporting purposes.
2. Pay-per-use monitor
3. SLA Monitor
4. Audit Monitor
5. Cloud Usage Monitor

ANSWER C

an virtualization layer used for different user applications managed by their own operating systems (guest OS) can run on the same hardware, independent of the host OS is refereed as

1. hypervisor
2. virtual machine monitor
3. Both the mentioned
4. None ANSWER: C

Which of the following is another name for the system virtual machine?

1. hardware virtual machine
2. software virtual machine
3. real machine
4. none of the mentioned ANSWER: A

Which of the following provide system resource access to virtual machines?

1. VMM
2. VMC
3. VNM
4. all of the mentioned ANSWER: A

Which of the following is Type 1 Hypervisor?

1. Wind River Simics
2. Virtual Server 2005 R2
3. KVM
4. LynxSecure ANSWER: D

Which of the following type of virtualization is found in hypervisor such as Microsoft’s Hyper-V?

1. paravirtualization
2. full virtualization
3. emulation
4. none of the mentioned ANSWER: A

In the virtual machine simulates hardware, so it can be independent of the underlying system hardware.

1. paravirtualization
2. full virtualization
3. emulation
4. none of the mentioned ANSWER: C

Point out the wrong statement.

1. Full virtualization requires that the host operating system provide a virtual machine interface for the guest operating system and that the guest access hardware through that host VM
2. Guest operating systems in full virtualization systems are generally faster than other virtualization schemes
3. a process virtual machine instantiates when a command begins a process
4. all of the mentioned ANSWER: A

In a scheme, the VM is installed as a Type 1 Hypervisor directly onto the hardware.

1. paravirtualization
2. full virtualization
3. emulation
4. none of the mentioned ANSWER: B

at the ISa level, virtualization is performed by emulating a given ISa by the ISa of

1. Virtual machine
2. Host machine
3. Guest OS
4. none of the mentioned ANSWER: B

Hardware-level virtualization is performed right on top of which harware devices

1. processors
2. memory
3. I/O devices
4. all of the mentioned ANSWER: D

vCUDa which allows applications executing within VMs to leverage GPU hardware acceleration is an exapmle for

1. hardware abstraction Level
2. Os-level Level
3. Library Support Level
4. User application Level ANSWER: C

The most popular approach which is to deploy high level language (HLL)VMs.

1. hardware abstraction Level
2. Os-level Level
3. Library Support Level
4. User application Level ANSWER: D

Virtulization can be implemeted in

1. hardware abstraction Level
2. Os-level Level
3. Library Support Level
4. all the mentioned ANSWER: D

which virtualization implementation level has more application flexibility

1. hardware abstraction Level
2. Instrction set architecture level
3. Library Support Level
4. User application Level ANSWER: B

which virtualization implementation level has more implementation complexity

1. hardware abstraction Level
2. Instrction set architecture level
3. Library Support Level
4. User application Level ANSWER: D

which virtualization implementation level has higher performance

1. hardware abstraction Level
2. Instrction set architecture level
3. Library Support Level
4. User application Level ANSWER: A

the basic concept of the vCUDa architecture consists of

1. the vCUDa library
2. a virtual GPU in the guest OS
3. vCUDa stub in the host OS
4. all the mentioned ANSWER: D

noncritical instructions run on the hardware directly while critical instructions are discovered and replaced with traps into the VMM to be emulated by software in

1. Full Virtualization
2. para Virtualization
3. Host- based Virtualization
4. None ANSWER: A

the type of Virtualization replaces nonvirtualizable instructions with hypercalls that communicate directly with the hypervisor or VMM

1. Full Virtualization
2. para Virtualization
3. Host- based Virtualization
4. None ANSWER: B

In Para-Virtualization architecture ring-0 defines

1. para virualized guest-os
2. host-os
3. user apps
4. virtialization layer ANSWER: A

Which of the following type of virtualization is also characteristic of cloud computing?

1. Storage
2. application
3. CPU
4. all of the mentioned

ANSWER: D

In Para-Virtualization architecture ring-3 defines

1. para virualized guest-os
2. host-os
3. user apps
4. virtialization layer ANSWER: C

Ring 0 represents In Para-Virtualization architecture

1. level having most privilege
2. level having least privilege
3. None ANSWER: A

Ring 3 represents In Para-Virtualization architecture

1. level having most privilege
2. level having least privilege
3. None ANSWER: B

KVM (Kernel-Based VM) is a

1. Full Virtualized system
2. para Virtualized system
3. Host- based Virtualized system
4. None ANSWER: B

hypervisor kernel provides the same functionality as other operating systems, such as process creation, file system management, and process scheduling. It is designed to specifically support multiple virtual machines and to provide core functionalities, such as resource scheduling, I/O stacks, etc.

1. Hypervisor Components - VMM
2. Hypervisor Components - Kernel
3. Resource Control - Share
4. vSphere Key Components ANSWER: B

All cloud computing applications suffer from the inherent that is intrinsic in their WAN

connectivity. A) Propagation

1. Latency
2. Noise
3. All of the mentioned ANSWER: B

Which term best describes the ability to rapidly increase user accounts for a given cloud service?

1. Volatility
2. Synchronicity
3. Viability
4. Elasticity ANSWER: D

Your company runs a virtualized web application server in-house. You decide to make the web

applications available over the Internet through a cloud provider. Which method represents the

quickest way to accomplish this?

A) Create a new cloud server, install web services, and install and configure web applications. B) Create a new cloud server, install web services, and import web application data.

C) Migrate your in-house web application server to the cloud

. D) This cannot be done — only generic applications are available through the cloud. ANSWER: C

Purchasing software and providing it to a third party that installs and manages that software is an example of which of the following?

1. Virtualization
2. Application service provider
3. Platform as a service
4. Private cloud ANSWER: B

You are the IT director for a retail clothing outlet. Your competitors are using Internet-delivered

inventory, storage, and backup solutions from a specific provider. You conclude it is best that your

company use the same services from the same provider. What type of cloud will you be subscribing

to?

1. Community cloud
2. Retail cloud
3. Private cloud
4. Public cloud ANSWER: A

As a developer for a software company, you have decided to build and test your web applications in a

cloud environment. Which type of cloud service best meets your needs?

1. PaaS
2. SaaS
3. IaaS
4. Xaas ANSWER: A

What cloud computing characteristic ensures services and data are always reachable?

1. Confidentiality
2. Integrity
3. Availability
4. Scalability ANSWER: C

You must ensure that your business computing resources can quickly grow as business demands

change. Which of the following allows this?

1. Confidentiality
2. Integrity
3. Availability
4. Scalability ANSWER: D

Which of the following is most important area of concern in cloud computing ?

1. Security
2. Storage
3. Scalability
4. None ANSWER: A

Which of the following is one of the unique attribute of Cloud Computing ?

1. utility type of delivery
2. elasticity
3. low barrier to entry
4. all of the above ANSWER: D

Which of the following cloud concept is related to pooling and sharing of resources ?

1. Polymorphism
2. Virtualization
3. Abstraction
4. None of the mentioned ANSWER: B

Point out the wrong statement :

1. A cloud is defined as the combination of the infrastructure of a datacenter with the ability to

provision hardware and software

1. High touch applications are best done on-premises
2. The Google App Engine follows IaaS
3. All of the above ANSWER: C

model consists of the particular types of services that you can access on a cloud

computing platform. A) Service

1. Deployment
2. Application
3. None of the mentioned ANSWER: A

refers to the location and management of the cloud’s infrastructure. A) Service

1. Deployment
2. Application
3. None of the mentioned ANSWER: B

Which of the following is the deployment model?

1. public
2. private
3. hybrid
4. all of the mentioned ANSWER: D

Point out the correct statement. A) A deployment model defines the purpose of the cloud and the nature of how the cloud is located

1. Service model defines the purpose of the cloud and the nature of how the cloud is located
2. Cloud Square Model is meant to show is that the traditional notion of a network boundary being the network’s firewall no longer applies in cloud computing
3. All of the mentioned ANSWER: A

The cloud infrastructure is operated for the exclusive use of an organization. A) Public

1. Private
2. Community
3. All of the mentioned ANSWER: B

provides virtual machines, virtual storage, virtual infrastructure, and other hardware assets. A) IaaS

1. SaaS
2. PaaS
3. All of the mentioned ANSWER: A

Point out the wrong statement. A) A PaaS service adds integration features, middleware, and other orchestration and choreography

services to the IaaS model

1. XaaS or ‘anything as a service’ is the delivery of IT as a Service through hybrid Cloud computing
2. Monitoring as a Service (MaaS) is at present still an emerging piece of the Cloud jigsaw
3. None of the mentioned ANSWER: D

With cloud computing services, hardware purchases, software purchases, and IT support are the

responsibility of whom?

1. Internet service provider
2. RraaS provider
3. SaaS provider
4. Application service provider ANSWER: C

When you add a software stack, such as an operating system and applications to the service, the

model shifts to model. A) SaaS

1. PaaS
2. IaaS
3. All of the mentioned ANSWER: A

Which of the following is most refined and restrictive service model ?

1. IaaS
2. CaaS
3. PaaS
4. All of the mentioned ANSWER: C

All cloud computing applications suffer from the inherent that is intrinsic in their WAN

connectivity.

1. propagation
2. latency
3. noise
4. All of the mentioned ANSWER: B

Cloud computing is a system and it is necessarily unidirectional in nature.

1. stateless
2. stateful
3. reliable
4. None of the above ANSWER: A

Which of the following is best known service model ?

1. SaaS
2. IaaS
3. PaaS
4. All of the mentioned ANSWER: D

Which of the following is related to service provided by Cloud ?

1. Sourcing
2. Ownership
3. Reliability
4. AaaS ANSWER: A

is a complete operating environment with applications, management, and the user interface. A) IaaS

1. SaaS
2. PaaS
3. All of the mentioned ANSWER: B

Which of the following cloud concept is related to pooling and sharing of resources ?

1. Polymorphism
2. Abstraction
3. Virtualization
4. None of the mentioned ANSWER: C

A Level Agreement (SLA) is the contract for performance negotiated between you

and a

service provider. A) Service

1. Application
2. Deployment
3. All of the mentioned ANSWER: A

Which of the following is specified parameter of SLA ?

1. Response times
2. Responsibilities of each party
3. Warranties
4. All of the mentioned ANSWER: D

Which of the architectural layer is used as backend in cloud computing ?

1. client
2. cloud
3. soft
4. All of the mentioned ANSWER: B

A cloud requires virtualized storage to support the staging and storage of data. A) soft

1. compute
2. local
3. None of the mentioned ANSWER: B

Point out the wrong statement :

1. Virtual appliances are becoming a very important standard cloud computing deployment object
2. Cloud computing requires some standard protocols
3. Cloud computing relies on a set of protocols needed to manage interprocess communications
4. None of the mentioned ANSWER: D

Which of the following is Cloud Platform by Amazon ?

1. Azure
2. AWS
3. Cloudera
4. All of the mentioned ANSWER: D

Cloud computing is an abstraction based on the notion of pooling physical resources and presenting

them as a resource. A) real

1. virtual
2. cloud
3. None of the mentioned ANSWER: B

Which of the following cloud concept is related to pooling and sharing of resources ?

1. Polymorphism
2. Abstraction
3. Virtualization
4. None of the mentioned ANSWER:C

Which of the following type of virtualization is also characteristic of cloud computing?

1. Storage
2. Application
3. CPU
4. All of the Above ANSWER: D

What facet of cloud computing helps to guard against downtime and determines costs?

1. Service-level agreements
2. Application programming interfaces
3. Virtual private networks
4. Bandwidth fees ANSWER: A

Cloud Services have a relationship with their customers.A) Many-to-many

1. One-to-many
2. One-to-one
3. None of the Name ANSWER: B

What’s the most popular use case for public cloud computing today?

1. Test and development
2. Website hosting
3. Disaster recovery
4. Business analytics ANSWER: A

Virtual Machine Ware (VMware) is an example of

1. Infrastructure Service
2. Platform Service
3. Software Service
4. None of the above ANSWER: A

Geographic distribution of data across a cloud provider's network is a problem for many

enterprises because it:

1. Makes data recovery harder
2. Adds latency
3. Raises security concerns
4. Breaks compliance regulations ANSWER: A

Amazon Web Services is which type of cloud computing distribution model?

1. Software as a Service
2. Platform as a Service
3. Infrastructure as a Service
4. Software software as a service ANSWER: C

Cloud computing networks are designed to support only private or hybrid clouds.

1. True
2. False ANSWER: B

A good cloud computing network can be adjusted to provide bandwidth on demand.

1. True
2. False ANSWER: A

A larger cloud network can be built as either a layer 3 or layer 4 network. A) True

B) False ANSWER: B

The typical three-layer switching topology will not create latency within a cloud network. A) True

B) False ANSWER: B

The term 'Cloud' in cloud-computing refers to .

1. The Internet
2. Cumulus Clouds
3. A Computer
4. Thin Clients ANSWER: A

allows different operating systems to run in their own memory space.

1. VVM
2. VMC
3. VMM
4. All of the mentioned ANSWER: C

as a Service is a cloud computing infrastructure that creates a development

environment

upon which applications may be build. A) Infrastructure

1. Platform
2. Service
3. All of the mentioned ANSWER: B

Which of the following cloud concept is related to pooling and sharing of resources ?

1. Polymorphism
2. Abstraction
3. Virtualization
4. None of the mentioned ANSWER: C

Logical Network Perimeter can be implemented to

1. isolate IT resources in a cloud from non-authorized users
2. isolate IT resources in a cloud from non-users
3. isolate IT resources in a cloud from cloud consumers
4. all of the above Answer: D

A is a form of virtualization software that emaluates a physical server.

1. virtual server
2. physical server
3. hybrid server
4. none of the above Answer: A

Point out the wrong statement. A) Abstraction enables the key benefit of cloud computing: shared, ubiquitous access

1. Virtualization assigns a logical name for a physical resource and then provides a pointer to that physical resource when a request is made
2. All cloud computing applications combine their resources into pools that can be assigned on

demand to users

1. All of the mentioned ANSWER: C

Which of the following type of virtualization is also characteristic of cloud computing?

1. Storage
2. Application
3. CPU
4. All of the mentioned ANSWER: D

Point out the correct statement. A) A client can request access to a cloud service from any location

1. A cloud has multiple application instances and directs requests to an instance based on conditions
2. Computers can be partitioned into a set of virtual machines with each machine being assigned a

workload

1. All of the mentioned ANSWER: D

Which of the following network resources can be load balanced?

1. Connections through intelligent switches
2. DNS
3. Storage resources
4. All of the mentioned ANSWER: D

Which of the following type of virtualization is also characteristic of cloud computing ?

1. Storage
2. Application
3. CPU
4. All of the mentioned ANSWER: D

Point out the correct statement :

1. A client can request access to a cloud service from any location
2. A cloud has multiple application instances and directs requests to an instance based on conditions
3. Computers can be partitioned into a set of virtual machines with each machine being assigned a

workload

1. All of the mentioned ANSWER: D

Which of the following is another name for system virtual machine ? A hardware virtual machine

1. software virtual machine
2. real machine
3. None of the mentioned ANSWER: A

A is a form of virtualization software that emaluates a physical server.

1. virtual server
2. physical server
3. hybrid server
4. none of the above ANSWER: A

The IT resource that isolates the network environment within the data center infrastructure is called:

1. Virtual Firewall
2. Virtual Network
3. Both of the mentioned
4. None of the mentioned ANSWER: B

A virtual server is a form of virtualization software that emulates:

1. Virtual network
2. Physical Server
3. IT Resource
4. None of the mentioned ANSWER: B

Which mechanism is used to replicate several instances of a virtual server, using a stored virtual

server image. A) Hyperviser

1. Virtualization
2. Cloud Auditor
3. None of the mentioned ANSWER: A

Internet works on A) packet switching

1. circuit switching
2. both packet switching and circuit switching
3. data switching ANSWER: A

Which protocol assigns IP address to the client connected in the internet?

1. DHCP
2. IP
3. RPC
4. RSVP ANSWER: A

A is an extension of an enterprise’s private intranet across a public network such as the

internet, creating a secure private connection. A) VNP

1. VPN
2. VSN
3. VSPN ANSWER: B

Which of the following is false with respect to UDP?

1. Connection-oriented
2. Unreliable
3. Transport layer protocol
4. Low overhead ANSWER: A

What is the main advantage of UDP?

1. More overload
2. Reliable
3. Low overhead
4. Fast ANSWER: C

Which of the following is false with respect to TCP?

1. Connection-oriented
2. Process-to-process
3. Transport layer protocol
4. Unreliable ANSWER: D

In TCP, sending and receiving data is done as A) Stream of bytes

1. Sequence of characters
2. Lines of data
3. Packets ANSWER: A

The physical layer is concerned with A) bit-by-bit delivery

1. process to process delivery
2. application to application delivery
3. port to port delivery ANSWER: A

The data link layer takes the packets from and encapsulates them into frames for

transmission. A) network layer

1. physical layer
2. transport layer
3. application layer ANSWER: A

The network layer is concerned with of data. A) bits

1. frames
2. packets
3. bytes ANSWER: C

Transport layer aggregates data from different applications into a single stream before passing it to

A) network layer

1. data link layer
2. application layer
3. physical layer ANSWER: A

Which of the following are transport layer protocols used in networking?

1. TCP and FTP
2. UDP and HTTP
3. TCP and UDP
4. HTTP and FTP ANSWER: C

This is a repository for the storage, management, and dissemination of data in which the mechanical,

lighting, electrical and computer systems are designed for maximum energy efficiency and minimum

environmental impact. A) Storage lab

1. Data Center
2. Data warehouse
3. Fabric ANSWER: B

Which three statements describe differences between Storage Area Network (SAN) and Network

Attached Storage (NAS) solutions? Choose three.

1. SAN is generally more expensive but provides higher performance
2. NAS uses TCP/IP for communication between hosts and the NAS server
3. NAS requires additional hardware on a host: a host bus adapter for connectivity
4. SAN uses proprietary protocols for communication between hosts and the SAN fabric
5. i,ii, iii
6. i, ii, iv
7. ii, iii, iv
8. i, ii, iii ANSWER: B

Resource is defined as the creation of multiple instances of the same IT resource. A) Management

1. Provisioning
2. Replication
3. Allocation ANSWER: C

A virtual server is a form of virtualization software that emulates:

1. Virtual network
2. Physical Server
3. IT Resource
4. None of the mentioned ANSWER: B

Which mechanism is used to replicate several instances of a virtual server, using a stored virtual

server image. A) Hyperviser

1. Virtualization
2. Cloud Auditor
3. None of the mentioned ANSWER: A

Which of the following type of virtualization is also characteristic of cloud computing?

1. Storage
2. Application
3. CPU
4. All of the mentioned ANSWER: D

An IT resource that actively filters network traffic to and from the isolated network while controlling

its interactions with the Internet. A) Virtual Firewall

1. Virtual Network
2. Both of the mentioned
3. None of the mentioned ANSWER: A

Point out the correct statement. a) A virtual machine is a computer that is walled off from the physical computer that the virtual

machine

is running on

1. Virtual machines provide the capability of running multiple machine instances, each with their own

operating system

1. The downside of virtual machine technologies is that having resources indirectly addressed means

there is some level of overhead

1. All of the mentioned ANSWER: D

What is the full form of "FTP"?

1. File Tranmitting Protocol
2. File Transfer Protocol
3. Fast Transfer Protocol
4. Fast Transmitting Project ANSWER: B

What is the full form of "HTTP"?

1. High Transfer Terra Page
2. Higher Transfer Technology Protocol
3. Hypertext Transfer Protocol
4. Hive Type Terminal Protocol What is the full form of "ISP"?
5. Internet Service Provider
6. Internal Service Processor
7. International Server Provider
8. Internet System Processor ANSWER: A

What is the full form of "OSI"?

1. Organisational Server Interface
2. Open Server Interconnection
3. Operating System Interface
4. Open System Interconnection ANSWER: D

What is the full form of "SMTP"?

1. Structured Mail Transfer Protocol
2. Simple Mail Transmitting Protocol
3. Simple Mail Transfer Protocol
4. Server Mail Transfer Protocol ANSWER: C

In SAN storage model, the operating system view storage resources as —— devices

1. FC
2. SCSI
3. SAN
4. None of the mentioned ANSWER: B

an virtualization layer used for different user applications managed by their own operating systems (guest OS) can run on the same hardware, independent of the host OS is refereed as

1. hypervisor
2. virtual machine monitor
3. Both the mentioned
4. None ANSWER: C

Which of the following is another name for the system virtual machine?

1. hardware virtual machine
2. software virtual machine
3. real machine
4. none of the mentioned ANSWER: A

Which of the following provide system resource access to virtual machines?

1. VMM
2. VMC
3. VNM
4. all of the mentioned ANSWER: A

Which of the following is Type 1 Hypervisor?

1. Wind River Simics
2. Virtual Server 2005 R2
3. KVM
4. LynxSecure ANSWER: D

Which of the following type of virtualization is found in hypervisor such as Microsoft’s Hyper-V?

1. paravirtualization
2. full virtualization
3. emulation
4. none of the mentioned ANSWER: A

In the virtual machine simulates hardware, so it can be independent of the underlying system hardware.

1. paravirtualization
2. full virtualization
3. emulation
4. none of the mentioned ANSWER: C

Point out the wrong statement.

1. Full virtualization requires that the host operating system provide a virtual machine interface for the guest operating system and that the guest access hardware through that host VM
2. Guest operating systems in full virtualization systems are generally faster than other virtualization schemes
3. a process virtual machine instantiates when a command begins a process
4. all of the mentioned ANSWER: A

In a scheme, the VM is installed as a Type 1 Hypervisor directly onto the hardware.

1. paravirtualization
2. full virtualization
3. emulation
4. none of the mentioned ANSWER: B

at the ISa level, virtualization is performed by emulating a given ISa by the ISa of

1. Virtual machine
2. Host machine
3. Guest OS
4. none of the mentioned ANSWER: B

Hardware-level virtualization is performed right on top of which harware devices

1. processors
2. memory
3. I/O devices
4. all of the mentioned ANSWER: D

vCUDa which allows applications executing within VMs to leverage GPU hardware acceleration is an exapmle for

1. hardware abstraction Level
2. Os-level Level
3. Library Support Level
4. User application Level ANSWER: C

The most popular approach which is to deploy high level language (HLL)VMs.

1. hardware abstraction Level
2. Os-level Level
3. Library Support Level
4. User application Level ANSWER: D

Virtulization can be implemeted in

1. hardware abstraction Level
2. Os-level Level
3. Library Support Level
4. all the mentioned ANSWER: D

which virtualization implementation level has more application flexibility

1. hardware abstraction Level
2. Instrction set architecture level
3. Library Support Level
4. User application Level ANSWER: B

which virtualization implementation level has more implementation complexity

1. hardware abstraction Level
2. Instrction set architecture level
3. Library Support Level
4. User application Level ANSWER: D

which virtualization implementation level has higher performance

1. hardware abstraction Level
2. Instrction set architecture level
3. Library Support Level
4. User application Level ANSWER: A

the basic concept of the vCUDa architecture consists of

1. the vCUDa library
2. a virtual GPU in the guest OS
3. vCUDa stub in the host OS
4. all the mentioned ANSWER: D

noncritical instructions run on the hardware directly while critical instructions are discovered and replaced with traps into the VMM to be emulated by software in

1. Full Virtualization
2. para Virtualization
3. Host- based Virtualization
4. None ANSWER: A

the type of Virtualization replaces nonvirtualizable instructions with hypercalls that communicate directly with the hypervisor or VMM

1. Full Virtualization
2. para Virtualization
3. Host- based Virtualization
4. None ANSWER: B

In Para-Virtualization architecture ring-0 defines

1. para virualized guest-os
2. host-os
3. user apps
4. virtialization layer ANSWER: A

Which of the following type of virtualization is also characteristic of cloud computing?

1. Storage
2. application
3. CPU
4. all of the mentioned ANSWER: D

In Para-Virtualization architecture ring-3 defines

1. para virualized guest-os
2. host-os
3. user apps
4. virtialization layer ANSWER: C

Ring 0 represents In Para-Virtualization architecture

1. level having most privilege
2. level having least privilege
3. None ANSWER: A

Ring 3 represents In Para-Virtualization architecture

1. level having most privilege
2. level having least privilege
3. None ANSWER: B

KVM (Kernel-Based VM) is a

1. Full Virtualized system
2. para Virtualized system
3. Host- based Virtualized system
4. None ANSWER: B

hypervisor kernel provides the same functionality as other operating systems, such as process creation, file system management, and process scheduling. It is designed to specifically support multiple virtual machines and to provide core functionalities, such as resource scheduling, I/O stacks, etc.

1. Hypervisor Components - VMM
2. Hypervisor Components - Kernel
3. Resource Control - Share
4. vSphere Key Components ANSWER: B

What is the full form of "OSI"?

1. Organisational Server Interface
2. Open Server Interconnection
3. Operating System Interface
4. Open System Interconnection ANSWER: D

What is the full form of "SMTP"?

1. Structured Mail Transfer Protocol
2. Simple Mail Transmitting Protocol
3. Simple Mail Transfer Protocol
4. Server Mail Transfer Protocol ANSWER: C

In SAN storage model, the operating system view storage resources as —— devices

1. FC
2. SCSI
3. SAN
4. None of the mentioned ANSWER: B

Unit 3

1. The mechanism is used to specifically observe the runtime performance of cloud services to ensure that they are fulfilling the conteactual QoS requirements that are published in SLAs.
2. SLA Monitor
3. Load Balancer
4. Pay-Per-Use Monitor
5. Audit Monitor
6. The data collected by the SLA monitor is processed by an

to be aggregated into SLA reporting metrics.

1. SLA administration system
2. SLA failure system
3. SLA management system
4. SLA auditing system
5. The physical server polling has consecutively timed out three times, this generated event is termed as.
6. PS\_Timeout
7. PS\_Unreachable
8. PS\_Reachable
9. VM\_Unreachable
10. The previously unavailable physical server becomes responsive to polling again, this generated event is termed as.
11. VM\_Reachable
12. PS\_Timeout
13. PS\_Reachable
14. VM\_Unreachable
15. The mechanism measures cloud-based IT resource usage in accordance with predefined pricing parameters and generates usage logs for fee calculations and billing purposes.
16. Audit Monitor
17. SLA Monitor
18. Automated Scaling Listener
19. Pay-Per-Use Monitor
20. The information that is used to identify the type of pricing model for usage fee calaculations, including pre-paid subscription with usage quota, post-paid subscription with maximum usage quota is termed as.
21. Resource Usage Quota Consumption
22. Cloud Consumer Subscription Type
23. Resource Usage Category
24. Bandwidth Consumption
25. The billing management system uses this information to identify the range of usage fees that are applicable to each usage event. This particular information is termed as:
26. Resource Usage Quota Consumption
27. Cloud Consumer Subscription Type
28. Resource Usage Category
29. Bandwidth Consumption
30. When usage contracts define IT resource usage quotas, usage event conditions are typically supplemented with quota consumption and updated quota limits.

This type of consumption is termed as:

1. Resource Usage Quota Consumption
2. Cloud Consumer Subscription Type
3. Resource Usage Category
4. Bandwidth Consumption

9.A pay-per-use monitor implemented as a used to determine the usage period of a virtual server.

1. Resource Auditor
2. Resource Broker
3. Resource Admin
4. Resource Agent
5. A pay-per-use monitor designed as a that transparently intercepts and analyzes runtime communication with a cloud service.
6. Resource Auditor
7. Monitoring Agent
8. Service Agent
9. Resource Agent
10. All cloud computing applications suffer from the inherent that is intrinsic in their WAN connectivity.
11. propagation
12. latency
13. noise
14. All of the mentioned
15. Cloud computing is a system and it is necessarily unidirectional in nature.
16. stateless
17. stateful
18. reliable
19. None of the above
20. Which of the following is best known service model ?
21. SaaS
22. IaaS
23. PaaS
24. All of the mentioned
25. Which of the following is related to service provided by Cloud ?
26. Sourcing
27. Ownership
28. Reliability
29. AaaS
30. is a complete operating environment with applications, management, and the user interface.
31. IaaS
32. SaaS
33. PaaS
34. All of the mentioned
35. Which of the following cloud concept is related to pooling and sharing of resources ?
36. Polymorphism
37. Abstraction
38. Virtualization
39. None of the mentioned
40. which of the following type of virtualization is also characteristic of cloud computing?
41. Storage
42. Application
43. CPU
44. All of the Above
45. What facet of cloud computing helps to guard against downtime and determines costs?
46. Service-level agreements
47. Application programming interfaces
48. Virtual private networks
49. Bandwidth fees
50. Cloud Services have a relationship with their customers.
51. Many-to-many
52. One-to-many
53. One-to-one
54. None of the Name
55. What’s the most popular use case for public cloud computing today?
56. Test and development
57. Website hosting
58. Disaster recovery
59. Business analytics
60. Virtual Machine Ware (VMware) is an example of
61. Infrastructure Service
62. Platform Service
63. Software Service
64. None of the above
65. which is not an approach to virtualization?
66. Partial virtualization
67. Lightweight virtualization
68. Full virtualization
69. Para virtualization Correct
70. Live migration of VMs helps in...........
71. Maintenance
72. Load balancing
73. Availability
74. All of the above
75. Live migration involves?
76. Downtime of a few minutes
77. Loss of service
78. Downtime of a few milliseconds
79. No downtime Correct
80. Full virtualization Select one:
81. Simulates hardware within software
82. Has VMs with the same OS
83. Clones images
84. Alters the guest OS Correct
85. VMM is?
86. A virtual machine
87. Hardware
88. Host OS
89. A layer of software
90. A monitoring agent that collects tracking data for networks and IT resources is Called?
91. Load balancer
92. Audit Monitor
93. Automated Scaling Listener
94. Pay-per use Monitor
95. Which of the following are not Cloud management mechanisms?
96. Remote Administration system
97. SLA Management System
98. Audit Monitor System
99. Billing Management System
100. Failover System can be defined as?
101. A system to increase the reliability and availability of IT resources by using established clustering technology to provide redundant implementations
102. A resource agent that monitors and keeps track of the runtime performance of cloud services.
103. The Failure of the system
104. None of the mentioned
105. Failover System include?
106. Only Active-Active
107. Only Active-Passive
108. None of the mentioned
109. Both the mentioned
110. The monitoring agent that intercepts login requests and stores the requestors security credentials, as well as both failed attempts in a log database for future audit reporting purposes.
111. Pay-per-use monitor
112. SLA Monitor
113. Audit Monitor
114. Cloud Usage Monitor
115. The mechanism that rely on the resource replication mechanism to supply the redundant IT resource instances is called?
116. Failover systems
117. Hypervisor
118. Load balancer
119. Resource Cluster
120. The Specialized cloud mechanism used to intercept the response message and stores the entire collected login event details in the log database?
121. Pay-per-use monitor
122. Audit Monitor
123. SLA Monitor
124. Cloud Usage Monitor
125. The implementation mecahnism used in the failoversystems are?
126. Hypervoiser
127. Resource replication
128. SLA Monitor
129. Cloud Auditor
130. DAS-based periodic synchronization can also be reffered as?
131. SAN Based
132. NAS based
133. None of mentioned
134. WORM based
135. A state management database is a?
136. Network Device
137. Storage Device
138. Software Program
139. Router
140. Storage management database is used to make software programs more?
141. available
142. reliable
143. scalable
144. secure
145. The cloud management mechanism?
146. Remote Administration System
147. Resource Management System
148. Billing Management System
149. All of the above
150. The tools and APIs provided by remote administration system are used by?
151. Cloud Provider
152. Cloud Consumer
153. Both cloud provider and cloud consumer
154. None of the above
155. The tools and user interfaces for external cloud resource admininstrators to configure and asminister cloud based IT resources is provided by?
156. SLA Management System
157. Resource Management System
158. Billing Management System
159. Remote Administration System
160. The task performed by cloud consumers via a remote administration console is/are?
161. monitoring cloud service status
162. managing leasing costs
163. capacity planning
164. All of the above
165. The primary types of portal created with remote administration system is/are?
166. usage and administration portal
167. self-service portal
168. Both A and B
169. None of the above
170. In remote administration system, the task of planning and assessing IT resource provisioning is performed by?
171. Cloud Provider
172. Cloud Consumer
173. Cloud Broker
174. Cloud Auditor
175. The self service portal in remote administration system is used by

to search cloud services.

1. Cloud Provider
2. Cloud Consumer
3. Cloud Owner
4. Cloud Broker
5. The resource management system mechanism helps cocordinate IT resources in response to management actions performed by both?
6. cloud consumers and cloud services
7. cloud consumers and cloud providers
8. none of the above
9. all of the above
10. A is the core of the resource management system that coordinatesthe server hardware so that virtual server instances can be created from the underlying physical server.
11. virtual server
12. resource management system
13. virtual infrastructure manager
14. physical server
15. Point out the correct statement.
16. A client can request access to a cloud service from any location
17. A cloud has multiple application instances and directs requests to an instance based on conditions
18. Computers can be partitioned into a set of virtual machines with each machine being assigned a workload
19. All of the mentioned
20. Which of the following network resources can be load balanced?
21. Connections through intelligent switches
22. DNS
23. Storage resources
24. All of the mentioned
25. Which of the following is a more sophisticated load balancer?
26. workload managers
27. workspace managers
28. rackserve managers
29. all of the mentioned
30. Which of the following type of virtualization is also characteristic of cloud computing ?
31. Storage
32. Application
33. CPU
34. All of the mentioned
35. Point out the correct statement :
36. A client can request access to a cloud service from any location
37. A cloud has multiple application instances and directs requests to an instance based on conditions
38. Computers can be partitioned into a set of virtual machines with each machine being assigned a workload
39. All of the mentioned
40. Which of the following is another name for system virtual machine ? A hardware virtual machine
41. software virtual machine
42. real machine
43. None of the mentioned
44. Which of the following is NOT the task of resource management system?
45. managing virtual IT resources
46. allocating and releasing the virtual IT resources
47. monitoring QoS and SLA fulfillment
48. monitoring operational conditions of IT resources
49. A resource management system consist of.
50. VIM platform and VIM image repository
51. usage and administration portal
52. self-service portal
53. None of the above
54. An service level agreement management system mechanism encompassing an and .
55. usage and administration portal
56. VIM platform and VIM image repository
57. pricing and contract manager
58. SLA manager and QoS measurement repository
59. Queries can be issued and reports can be generated for an externalcloud resource admjnistrator via .
60. usage and administration portal
61. pricing and contract manager
62. SLA manager and QoS measurement repository
63. None
64. The metrics monitored for individual cloud services are aligned with the SLA gurantees in corresponding cloud provisioning contracts through .
65. Remote Administration System
66. Resource Management System
67. SLA Management system
68. All
69. can create and manage multiple instances of a hypervisor across different physical servers or allocate a virtual server on one physical server.
70. Resource managment system
71. Virtual machnine
72. VIM
73. Virtual server
74. The SLA monitor polls the cloud service that sends?
75. polling request messages
76. Polling response messages
77. both of the above
78. none of the above
79. The self service portal in remote administration system is used by

to search cloud services.

1. Cloud Provider
2. Cloud Consumer
3. Cloud Owner
4. Cloud Broker ANSWER: B
5. mechanism is used to group multiple IT resource instances so that they can be operated as single IT resource.
6. Hypervisor
7. Multi Tenant
8. Resource Cluster
9. Resource Replication
10. allows different operating systems to run in their own memory space.
11. VVM
12. VMc
13. VMM
14. All of the mentioned
15. as a Service is a cloud computing infrastructure that creates a development environment upon which applications may be build.
16. Infrastructure
17. Platform
18. Service
19. All of the mentioned
20. Which of the following cloud concept is related to pooling and sharing of resources ?
21. Polymorphism
22. Abstraction
23. Virtualization
24. None of the mentioned
25. Above layer a hypervisor is installed.
26. Network Layer
27. Application Layer
28. Physical Layer
29. Transport Layer
30. mechanism is used to generate virtual server instances of a physical server.
31. Resource Cluster
32. Hypervisor
33. VM Ware
34. Load Balancer
35. Resource Cluster architectures rely on?
36. High Speed Network Connection
37. High Speed dedicated Network Connection
38. Hypervisor
39. All of the above
40. Database clusters are designed to improve .
41. Data Availability
42. Redundancy
43. Auditing
44. All of the above
45. Cluster specializes in distributing workloads among cluster nodes to increse IT resource capaacity, while preserving the centralization of IT resource management.
46. Load balanced Cluster
47. HA cluster
48. Large Data set Cluster
49. Server Cluster
50. Cluster is used to data partitioning and distribution so that target data sets can be efficiently partitioned without compromising data integrity.
51. Load balanced Cluster
52. HA cluster
53. Large Data set Cluster
54. Server Cluster
55. maintains a system availability in the event of multiple node failures.
56. Load balanced Cluster
57. HA cluster
58. Large Data set Cluster
59. Server Cluster
60. Hypervisor software provides features.
61. Scheduling
62. Sharing
63. Controlling
64. All of the above
65. The BEST way to define Virtualization in cloud computing is?
66. Virtualization enables simulating compute, network, and storage service platforms from the underlying virtual hardware
67. Virtualization enables abstracting compute, network, and storage service platforms from the underlying physical hardware
68. Virtualization enables realization of compute, network, and storage service platforms from the underlying virtual hardware
69. Virtualization enables emulating compute, network, and storage service platforms from the underlying virtual hardware
70. A cloud requires virtualized storage to support the staging and storage of data.
71. soft
72. compute
73. local
74. None of the mentioned
75. Point out the wrong statement :
76. Virtual appliances are becoming a very important standard cloud computing deployment object
77. Cloud computing requires some standard protocols
78. Cloud computing relies on a set of protocols needed to manage interprocess communications
79. None of the mentioned
80. Load Balanced cluster usually implements a load balanced mechanism

?

1. Either embedded within the cluster management platform
2. Setup as a seperate IT Resource.
3. Both A and B
4. None of the above
5. transforms the communication protocols used by mobile devices into protocols that are compatible with a cloud service.
6. Mobile Device Gateway
7. XML Gateway
8. Cloud Storage Gateway
9. HTTP Gateway
10. ia a general purpose portal that centralizes management controls to different cloud-based IT resources.
11. Self-Service Portal
12. Usage and Administration Portal
13. Custom IT Resource Management Portal
14. On-Premise IT Resource Portal
15. The SLA monitor polls the cloud service that sends
16. polling request messages
17. Polling response messages
18. both of the above
19. none of the above
20. The self service portal in remote administration system is used by

to search cloud services.

1. Cloud Provider
2. Cloud Consumer
3. Cloud Owner
4. Cloud Broker
5. Live migration of VMs helps in...........
6. Maintenance
7. Load balancing
8. Availability
9. All of the above
10. Which of the architectural layer is used as backend in cloud computing ?
11. client
12. cloud
13. soft
14. All of the mentioned
15. A cloud requires virtualized storage to support the staging and storage of data.
16. soft
17. compute
18. local
19. None of the mentioned
20. Virtual Machine Ware (VMware) is an example of
21. Infrastructure Service
22. Platform Service
23. Software Service
24. None of the above
25. Geographic distribution of data across a cloud provider's network is a problem for many enterprises because it:
26. Makes data recovery harder
27. Adds latency
28. Raises security concerns
29. Breaks compliance regulations
30. Amazon Web Services is which type of cloud computing distribution model?
31. Software as a Service
32. Platform as a Service
33. Infrastructure as a Service
34. Software software as a service
35. Cloud computing networks are designed to support only private or hybrid clouds.
36. True
37. False
38. A good cloud computing network can be adjusted to provide bandwidth on demand.
39. True
40. False
41. A larger cloud network can be built as either a layer 3 or layer 4 network.
42. True
43. False
44. The typical three-layer switching topology will not create latency within a cloud network.
45. True
46. False
47. The term 'Cloud' in cloud-computing refers to .
48. The Internet
49. Cumulus Clouds
50. A Computer
51. Thin Clients
52. The technology used to distribute service requests to resources is referred to as:
53. Load performing
54. Load scheduling
55. Load balancing
56. None of the above
57. Which of the following network resources can be load balanced?
58. Connections through intelligent switches
59. DNS
60. Storage resource
61. All of the above
62. Which of the following is a more sophisticated load balancer?
63. Rack server managers
64. Workload managers
65. Workspace managers
66. None of the above
67. Point out the correct statement:
68. Different types of cloud computing service models provide different levels of security services
69. Adapting your on-premises systems to a cloud model requires that you determine what security mechanisms are required and mapping those to controls that exist in your chosen cloud service provider
70. NData should be transferred and stored in an encrypted format for security purpose
71. All of the above
72. Which of the following services that need to be negotiated in Service Level Agreements?
73. Logging
74. Auditing
75. Regulatory compliance
76. All of the above
77. Which of the following is used for Web performance management and load testing?
78. VMware Hyperic
79. Web metrics
80. Univa UD
81. Tapinsystems
82. What facet of cloud computing helps to guard against downtime and determines costs?
83. Service-level agreements
84. Application programming interfaces
85. Virtual private networks
86. Bandwidth fees
87. Virtual Machine Ware (VMware) is an example of
88. Infrastructure Service
89. Platform Service
90. Software Service
91. None of the above
92. Which of these techniques is vital for creating cloud-computing centers?
93. Virtualization
94. Transubstantiation
95. Cannibalization
96. Insubordination

Unit 2

A is a form of virtualization software that emaluates a physical server.

1. virtual server
2. physical server
3. hybrid server
4. none of the above

The IT resource that isolates the network environment within the data center infrastructure is called:

1. Virtual Firewall
2. Virtual Network
3. Both of the mentioned
4. None of the mentioned

A virtual server is a form of virtualization software that emulates:

1. Virtual network
2. Physical Server
3. IT Resource
4. None of the mentioned

Which mechanism is used to replicate several instances of a virtual server, using a stored virtual server image.

1. Hyperviser
2. Virtualization
3. Cloud Auditor
4. None of the mentioned

Internet works on

1. packet switching
2. circuit switching
3. both packet switching and circuit switching
4. data switching

Which protocol assigns IP address to the client connected in the internet?

1. DHCP
2. IP
3. RPC
4. RSVP

A is an extension of an enterprise’s private intranet across a public network such as the internet, creating a secure private connection.

1. VNP
2. VPN
3. VSN
4. VSPN

Which of the following is false with respect to UDP?

1. Connection-oriented
2. Unreliable
3. Transport layer protocol
4. Low overhead

What is the main advantage of UDP?

1. More overload
2. Reliable
3. Low overhead
4. Fast

Which of the following is false with respect to TCP?

1. Connection-oriented
2. Process-to-process
3. Transport layer protocol
4. Unreliable

In TCP, sending and receiving data is done as

1. Stream of bytes
2. Sequence of characters
3. Lines of data
4. Packets

The physical layer is concerned with

1. bit-by-bit delivery
2. process to process delivery
3. application to application delivery
4. port to port delivery

The data link layer takes the packets from and encapsulates them into frames for transmission.

1. network layer
2. physical layer
3. transport layer
4. application layer

The network layer is concerned with of data.

1. bits
2. frames
3. packets
4. bytes

Transport layer aggregates data from different applications into a single stream before passing it to

1. network layer
2. data link layer
3. application layer
4. physical layer

Which of the following are transport layer protocols used in networking?

1. TCP and FTP
2. UDP and HTTP
3. TCP and UDP
4. HTTP and FTP

This is a repository for the storage, management, and dissemination of data in which the mechanical, lighting, electrical and computer systems are designed for maximum energy efficiency and minimum environmental impact.

1. Storage lab
2. Data Center
3. Data warehouse
4. Fabric

Which three statements describe differences between Storage Area Network (SAN) and Network Attached Storage (NAS) solutions? Choose three.

1. SAN is generally more expensive but provides higher performance
2. NAS uses TCP/IP for communication between hosts and the NAS server
3. NAS requires additional hardware on a host: a host bus adapter for connectivity
4. SAN uses proprietary protocols for communication between hosts and the SAN fabric
5. i,ii, iii
6. i, ii, iv
7. ii, iii, iv
8. i, ii, iii

Resource is defined as the creation of multiple instances of the same IT resource.

1. Management
2. Provisioning
3. Replication
4. Allocation

A virtual server is a form of virtualization software that emulates:

1. Virtual network
2. Physical Server
3. IT Resource
4. None of the mentioned

Which mechanism is used to replicate several instances of a virtual server, using a stored virtual server image.

1. Hyperviser
2. Virtualization
3. Cloud Auditor
4. None of the mentioned

Which of the following type of virtualization is also characteristic of cloud computing?

* 1. Storage
  2. Application
  3. CPU
  4. All of the mentioned

An IT resource that actively filters network traffic to and from the isolated network while controlling its interactions with the Internet.

* + 1. Virtual Firewall
    2. Virtual Network
    3. Both of the mentioned
    4. None of the mentioned

Point out the correct statement.

1. A virtual machine is a computer that is walled off from the physical computer that the virtual machine

is running on

1. Virtual machines provide the capability of running multiple machine instances, each with their own operating system
2. The downside of virtual machine technologies is that having resources indirectly addressed means there is some level of overhead
3. All of the mentioned

What is the full form of "FTP"?

* 1. File Tranmitting Protocol
  2. File Transfer Protocol
  3. Fast Transfer Protocol
  4. Fast Transmitting Project

What is the full form of "HTTP"?

1. High Transfer Terra Page
2. Higher Transfer Technology Protocol
3. Hypertext Transfer Protocol
4. Hive Type Terminal Protocol

What is the full form of "ISP"?

1. Internet Service Provider
2. Internal Service Processor
3. International Server Provider
4. Internet System Processor

What is the full form of "OSI"?

1. Organisational Server Interface
2. Open Server Interconnection
3. Operating System Interface
4. Open System Interconnection

What is the full form of "SMTP"?

1. Structured Mail Transfer Protocol
2. Simple Mail Transmitting Protocol
3. Simple Mail Transfer Protocol
4. Server Mail Transfer Protocol

In SAN storage model, the operating system view storage resources as —— devices

1. FC
2. SCSI
3. SAN
4. None of the mentioned

All cloud computing applications suffer from the inherent that is intrinsic in their WAN connectivity.

1. Propagation
2. Latency
3. Noise
4. All of the mentioned

Which term best describes the ability to rapidly increase user accounts for a given cloud service?

1. Volatility
2. Synchronicity
3. Viability
4. Elasticity

Your company runs a virtualized web application server in-house. You decide to make the web applications available over the Internet through a cloud provider. Which method represents the quickest way to accomplish this?

1. Create a new cloud server, install web services, and install and configure web applications.
2. Create a new cloud server, install web services, and import web application data.
3. Migrate your in-house web application server to the cloud.
4. This cannot be done — only generic applications are available through the cloud.

What cloud computing characteristic ensures services and data are always reachable?

1. Confidentiality
2. Integrity
3. Availability
4. Scalability

You must ensure that your business computing resources can quickly grow as business demands change. Which of the following allows this?

1. Confidentiality
2. Integrity
3. Availability
4. Scalability

Which of the following is most important area of concern in cloud computing ?

1. Security
2. Storage
3. Scalability
4. None

Which of the following is one of the unique attribute of Cloud Computing ?

1. utility type of delivery
2. elasticity
3. low barrier to entry
4. all of the above

Which of the following cloud concept is related to pooling and sharing of resources ?

1. Polymorphism
2. Virtualization
3. Abstraction
4. Both a) and b)

Point out the wrong statement :

1. A cloud is defined as the combination of the infrastructure of a datacenter with the ability to provision hardware and software
2. High touch applications are best done on-premises
3. The Google App Engine follows IaaS
4. All of the above

model consists of the particular types of services that you can access on a cloud computing platform.

1. Service
2. Deployment
3. Application
4. None of the mentioned

refers to the location and management of the cloud’s infrastructure.

1. Service
2. Deployment
3. Application
4. None of the mentioned

Which of the following is the deployment model?

1. public
2. private
3. hybrid
4. all of the mentioned

Point out the correct statement.

1. A deployment model defines the purpose of the cloud and the nature of how the cloud is located
2. Service model defines the purpose of the cloud and the nature of how the cloud is located
3. Cloud Square Model is meant to show is that the traditional notion of a network boundary being the network’s firewall no longer applies in cloud computing
4. All of the mentioned

The cloud infrastructure is operated for the exclusive use of an organization.

1. Public
2. Private
3. Community
4. All of the mentioned

provides virtual machines, virtual storage, virtual infrastructure, and other hardware assets.

1. IaaS
2. SaaS
3. PaaS
4. All of the mentioned

Point out the wrong statement.

1. A PaaS service adds integration features, middleware, and other orchestration and choreography services to the IaaS model
2. XaaS or ‘anything as a service’ is the delivery of IT as a Service through hybrid Cloud computing
3. Monitoring as a Service (MaaS) is at present still an emerging piece of the Cloud jigsaw
4. None of the mentioned

With cloud computing services, hardware purchases, software purchases, and IT support are the responsibility of whom?

1. Internet service provider
2. RraaS provider
3. SaaS provider
4. Application service provider

Unit 1

All cloud computing applications suffer from the inherent that is intrinsic in their WAN connectivity.

1. Propagation
2. Latency
3. Noise
4. All of the mentioned

Which term best describes the ability to rapidly increase user accounts for a given cloud service?

1. Volatility
2. Synchronicity
3. Viability
4. Elasticity

Your company runs a virtualized web application server in-house. You decide to make the web applications available over the Internet through a cloud provider. Which method represents the quickest way to accomplish this?

1. Create a new cloud server, install web services, and install and configure web applications.
2. Create a new cloud server, install web services, and import web application data.
3. Migrate your in-house web application server to the cloud.
4. This cannot be done — only generic applications are available through the cloud.

Purchasing software and providing it to a third party that installs and manages that software is an example of which of the following?

1. Virtualization
2. Application service provider
3. Platform as a service
4. Private cloud

You are the IT director for a retail clothing outlet. Your competitors are using Internet-delivered inventory, storage, and backup solutions from a specific provider. You conclude it is best that your company use the same services from the same provider. What type of cloud will you be subscribing to?

1. Community cloud
2. Retail cloud
3. Private cloud
4. Public cloud

As a developer for a software company, you have decided to build and test your web applications in a cloud environment. Which type of cloud service best meets your needs?

1. PaaS
2. SaaS
3. IaaS
4. Xaas

What cloud computing characteristic ensures services and data are always reachable?

1. Confidentiality
2. Integrity
3. Availability
4. Scalability

You must ensure that your business computing resources can quickly grow as business demands change. Which of the following allows this?

1. Confidentiality
2. Integrity
3. Availability
4. Scalability

Which of the following is most important area of concern in cloud computing ?

1. Security
2. Storage
3. Scalability
4. None ANSWER: A

Which of the following is one of the unique attribute of Cloud Computing ?

1. utility type of delivery
2. elasticity
3. low barrier to entry
4. all of the above ANSWER: D

Which of the following cloud concept is related to pooling and sharing of resources ?

1. Polymorphism
2. Virtualization
3. Abstraction
4. Both a) and b) ANSWER: B

Point out the wrong statement :

1. A cloud is defined as the combination of the infrastructure of a datacenter with the ability to provision hardware and software
2. High touch applications are best done on-premises
3. The Google App Engine follows IaaS
4. All of the above ANSWER: C

model consists of the particular types of services that you can access on a cloud computing platform.

1. Service
2. Deployment
3. Application
4. None of the mentioned ANSWER: A

refers to the location and management of the cloud’s infrastructure.

1. Service
2. Deployment
3. Application
4. None of the mentioned ANSWER: B

Which of the following is the deployment model?

1. public
2. private
3. hybrid
4. all of the mentioned ANSWER: D

Point out the correct statement.

1. A deployment model defines the purpose of the cloud and the nature of how the cloud is located
2. Service model defines the purpose of the cloud and the nature of how the cloud is located
3. Cloud Square Model is meant to show is that the traditional notion of a network boundary being the network’s firewall no longer applies in cloud computing
4. All of the mentioned ANSWER: A

The cloud infrastructure is operated for the exclusive use of an organization.

1. Public
2. Private
3. Community
4. All of the mentioned ANSWER: B

provides virtual machines, virtual storage, virtual infrastructure, and other hardware assets.

1. IaaS
2. SaaS
3. PaaS
4. All of the mentioned ANSWER: A

Point out the wrong statement.

1. A PaaS service adds integration features, middleware, and other orchestration and choreography services to the IaaS model
2. XaaS or ‘anything as a service’ is the delivery of IT as a Service through hybrid Cloud computing
3. Monitoring as a Service (MaaS) is at present still an emerging piece of the Cloud jigsaw
4. None of the mentioned ANSWER: D

With cloud computing services, hardware purchases, software purchases, and IT support are the responsibility of whom?

1. Internet service provider
2. RraaS provider
3. SaaS provider
4. Application service provider ANSWER: C

ANSWER: B ANSWER: B ANSWER: B

When you add a software stack, such as an operating system and applications to the service, the model shifts to model.

1. SaaS
2. PaaS
3. IaaS
4. All of the mentioned ANSWER: A

Which of the following is most refined and restrictive service model ?

1. IaaS
2. CaaS
3. PaaS
4. All of the mentioned ANSWER: C

All cloud computing applications suffer from the inherent that is intrinsic in their WAN connectivity.

1. propagation
2. latency
3. noise
4. All of the mentioned ANSWER: B

Cloud computing is a system and it is necessarily unidirectional in nature.

1. stateless
2. stateful
3. reliable
4. None of the above ANSWER: A

Which of the following is best known service model ?

1. SaaS
2. IaaS
3. PaaS
4. All of the mentioned ANSWER: D

Which of the following is related to service provided by Cloud ?

1. Sourcing
2. Ownership
3. Reliability
4. AaaS ANSWER: A

is a complete operating environment with applications, management, and the user interface.

1. IaaS
2. SaaS
3. PaaS
4. All of the mentioned ANSWER: B

Which of the following cloud concept is related to pooling and sharing of resources ?

1. Polymorphism
2. Abstraction
3. Virtualization
4. None of the mentioned ANSWER: C

A Level Agreement (SLA) is the contract for performance negotiated between you and a service provider.

1. Service
2. Application
3. Deployment
4. All of the mentioned ANSWER: A

Which of the following is specified parameter of SLA ?

1. Response times
2. Responsibilities of each party
3. Warranties
4. All of the mentioned ANSWER: D

Which of the architectural layer is used as backend in cloud computing ?

1. client
2. cloud
3. soft
4. All of the mentioned ANSWER: B

A cloud requires virtualized storage to support the staging and storage of data.

1. soft
2. compute
3. local
4. None of the mentioned ANSWER: B

Point out the wrong statement :

1. Virtual appliances are becoming a very important standard cloud computing deployment object
2. Cloud computing requires some standard protocols
3. Cloud computing relies on a set of protocols needed to manage interprocess communications
4. None of the mentioned ANSWER: D

Which of the following is Cloud Platform by Amazon ?

1. Azure
2. AWS
3. Cloudera
4. All of the mentioned ANSWER: D

Cloud computing is an abstraction based on the notion of pooling physical resources and presenting them as a resource.

1. real
2. virtual
3. cloud
4. None of the mentioned ANSWER: B

Which of the following cloud concept is related to pooling and sharing of resources ?

1. Polymorphism
2. Abstraction
3. Virtualization
4. None of the mentioned ANSWER:C

Which of the following type of virtualization is also characteristic of cloud computing?

1. Storage
2. Application
3. CPU
4. All of the Above ANSWER: D

What facet of cloud computing helps to guard against downtime and determines costs?

1. Service-level agreements
2. Application programming interfaces
3. Virtual private networks
4. Bandwidth fees ANSWER: A

Cloud Services have a relationship with their customers.

1. Many-to-many
2. One-to-many
3. One-to-one
4. None of the Name ANSWER: B

What’s the most popular use case for public cloud computing today?

1. Test and development
2. Website hosting
3. Disaster recovery
4. Business analytics ANSWER: A

Virtual Machine Ware (VMware) is an example of

1. Infrastructure Service
2. Platform Service
3. Software Service
4. None of the above ANSWER: A

Geographic distribution of data across a cloud provider's network is a problem for many enterprises because it:

1. Makes data recovery harder
2. Adds latency
3. Raises security concerns
4. Breaks compliance regulations ANSWER: A

Amazon Web Services is which type of cloud computing distribution model?

1. Software as a Service
2. Platform as a Service
3. Infrastructure as a Service
4. Software software as a service ANSWER: C

Cloud computing networks are designed to support only private or hybrid clouds.

1. True
2. False ANSWER: B

A good cloud computing network can be adjusted to provide bandwidth on demand.

1. True
2. False ANSWER: A

A larger cloud network can be built as either a layer 3 or layer 4 network.

1. True
2. False ANSWER: B

The typical three-layer switching topology will not create latency within a cloud network.

1. True
2. False ANSWER: B

The term 'Cloud' in cloud-computing refers to .

1. The Internet
2. Cumulus Clouds
3. A Computer
4. Thin Clients ANSWER: A

allows different operating systems to run in their own memory space.

1. VVM
2. VMc
3. VMM
4. All of the mentioned

as a Service is a cloud computing infrastructure that creates a development environment upon which applications may be build.

1. Infrastructure
2. Platform
3. Service
4. All of the mentioned ANSWER: B

Which of the following cloud concept is related to pooling and sharing of resources ?

1. Polymorphism
2. Abstraction
3. Virtualization
4. None of the mentioned ANSWER: C

Logical Network Perimeter can be implemented to

1. isolate IT resources in a cloud from non-authorized users
2. isolate IT resources in a cloud from non-users
3. isolate IT resources in a cloud from cloud consumers
4. all of the above Answer: D

A is a form of virtualization software that emaluates a physical server.

1. virtual server
2. physical server
3. hybrid server
4. none of the above Answer: A

Point out the wrong statement.

1. Abstraction enables the key benefit of cloud computing: shared, ubiquitous access
2. Virtualization assigns a logical name for a physical resource and then provides a pointer to that physical resource when a request is made
3. All cloud computing applications combine their resources into pools that can be assigned on demand to users
4. All of the mentioned ANSWER:C

Which of the following type of virtualization is also characteristic of cloud computing?

1. Storage
2. Application
3. CPU
4. All of the mentioned ANSWER:D

Point out the correct statement.

1. A client can request access to a cloud service from any location
2. A cloud has multiple application instances and directs requests to an instance based on conditions
3. Computers can be partitioned into a set of virtual machines with each machine being assigned a workload
4. All of the mentioned ANSWER:D

Which of the following network resources can be load balanced?

1. Connections through intelligent switches
2. DNS
3. Storage resources
4. All of the mentioned ANSWER:D

Which of the following type of virtualization is also characteristic of cloud computing ?

1. Storage
2. Application
3. CPU
4. All of the mentioned ANSWER:D

Point out the correct statement :

1. A client can request access to a cloud service from any location
2. A cloud has multiple application instances and directs requests to an instance based on conditions
3. Computers can be partitioned into a set of virtual machines with each machine being assigned a workload
4. All of the mentioned ANSWER:D

Which of the following is another name for system virtual machine ? A hardware virtual machine

1. software virtual machine
2. real machine
3. None of the mentioned

ANSWER:A

**VCC Finals 1**

**Virtualization and Cloud Computing** Course Code: **BTCS15F6200** Semester: **V**I

# Question Bank UNIT:1

**Introduction to Cloud Computing**

Which of the following was one of the top 5 cloud applications in 2010?

Cloud backup

Web applications

Business applications

All of the mentioned

Point out the correct statement.

Google’s cloud includes perhaps some 10 data centers worldwide

Flipkart.com’s infrastructure was built to support elastic demand so the system could accommodate peak traffic

Data centers have been sited to optimize the overall system latency

All of the mentioned

Which of the following benefit is related to creates resources that are pooled together in a system that supports multi-tenant usage?

On-demand self-service

Broad network access

Resource pooling

All of the mentioned

The is something that you can obtain under contract from your vendor.

PoS

QoS

SoS

All of the mentioned

Point out the wrong statement.

Internet consumes roughly 1 percent of the world’s total power

The cost advantages of cloud computing have enabled new software vendors to create productivity applications

A client can provision computer resources without the need for interaction with cloud service provider personnel

None of the mentioned

All cloud computing applications suffer from the inherent that is intrinsic in their WAN connectivity.

Propagation

Latency

Noise

All of the mentioned

Which term best describes the ability to rapidly increase user accounts for a given cloud service?

Volatility

Synchronicity

Viability

Elasticity

Your company runs a virtualized web application server in-house,You decide to make the web applications available over the Internet through a cloud provider,Which method represents the quickest way to accomplish this?

Create a new cloud server, install web services,and install and configure web applications.

Create a new cloud server, install web services,and import web application data.

Migrate your in-house web application server to the cloud.

This cannot be done — only generic applications are available through the cloud.

Purchasing software and providing it to a third party that installs and manages that software is an example of which of the following?

Virtualization

Application service provider

Platform as a service

Private cloud

You are the IT director for a retail clothing outlet,Your competitors are using Internet- delivered inventory storage and backup solutions from a specific provider,You conclude it is best that your company use the same services from the same provider,What type of cloud will you be subscribing to?

Community cloud

Retail cloud

Private cloud

Public cloud

As a developer for a software company, you have decided to build and test your web applications in a cloud environment,Which type of cloud service best meets your needs?

PaaS

SaaS

IaaS

Xaas

What cloud computing characteristic ensures services and data are always reachable?

Confidentiality

Integrity

Availability

Scalability

You must ensure that your business computing resources can quickly grow as business demands change,Which of the following allows this?

Confidentiality

Integrity

Availability

Scalability

Which of the following is most important area of concern in cloud computing ?

Security

Storage

Scalability

None

Which of the following is one of the unique attribute of Cloud Computing ?

utility type of delivery

elasticity

low barrier to entry

all of the above

Which of the following cloud concept is related to pooling and sharing of resources ?

Polymorphism

Virtualization

Abstraction

None of the mentioned

Point out the wrong statement

A cloud is defined as the combination of the infrastructure of a datacenter with the ability to provision hardware and software

High touch applications are best done on-premises

The Google App Engine follows IaaS

All of the above

The model consists of the particular types of services that you can access on a cloud computing platform.

Service

Deployment

Application

None of the mentioned

The refers to the location and management of the cloud infrastructure.

Service

Deployment

Application

None of the mentioned

Which of the following is the deployment model?

public

private

hybrid

all of the mentioned

Point out the correct statement.

A deployment model defines the purpose of the cloud and the nature of how the cloud is located

Service model defines the purpose of the cloud and the nature of how the cloud is located

Cloud Square Model is meant to show is that the traditional notion of a network boundary being the network firewall no longer applies in cloud computing

All of the mentioned

The cloud infrastructure is operated for the exclusive use of an organization.

Public

Private

Community

All of the mentioned

Which provides virtual machines, virtual storage, virtual infrastructure, and other hardware assets.

IaaS

SaaS

PaaS

All of the mentioned

Point out the wrong statement.

A PaaS service adds integration features, middleware, and other orchestration and choreography services to the IaaS model

XaaS or anything as a service is the delivery of IT as a Service through hybrid Cloud computing

Monitoring as a Service (MaaS) is at present still an emerging piece of the Cloud jigsaw

None of the mentioned

With cloud computing services, hardware purchases, software purchases, and IT support are the responsibility of whom?

Internet service provider

PaaS provider

SaaS provider

Application service provider

When you add a software stack, such as an operating system and applications to the service,the model shifts to model.

SaaS

PaaS

IaaS

All of the mentioned

Which of the following is most refined and restrictive service model ?

IaaS

CaaS

PaaS

All of the mentioned

All cloud computing applications suffer from the inherent that is intrinsic in their WAN connectivity.

propagation

latency

noise

All of the mentioned

Cloud computing is a system and it is necessarily unidirectional in nature.

stateless

stateful

reliable

None of the above

Which of the following is best known service model ?

SaaS

IaaS

PaaS

All of the mentioned

Which of the following is related to service provided by Cloud ?

Sourcing

Ownership

Reliability

AaaS

Which is a complete operating environment with applications, management and the user interface.

IaaS

SaaS

PaaS

All of the mentioned

Which of the following cloud concept is related to pooling and sharing of resources ?

Polymorphism

Abstraction

Virtualization

None of the mentioned

The contract for performance negotiated between user and a service provider is called

Level Agreement.

Service

Application

Deployment

All of the mentioned

Which of the following is specified parameter of SLA ?

Response times

Responsibilities of each party

Warranties

All of the mentioned

Which of the architectural layer is used as backend in cloud computing ?

client

cloud

soft

All of the mentioned

which one is a cloud requires virtualized storage to support the staging and storage of data.

soft

compute

local

None of the mentioned

Point out the wrong statement

Virtual appliances are becoming a very important standard cloud computing deployment object

Cloud computing requires some standard protocols

Cloud computing relies on a set of protocols needed to manage interprocess communications

None of the mentioned

Which of the following is Cloud Platform by Amazon ?

Azure

AWS

Cloudera

All of the mentioned

Cloud computing is an abstraction based on the notion of pooling physical resources and presenting them as a resource.

real

virtual

cloud

None of the mentioned

Which of the following cloud concept is related to pooling and sharing of resources?

Polymorphism

Abstraction

Virtualization

None of the mentioned

Which of the following type of virtualization is also characteristic of cloud computing?

Storage

Application

CPU

All of the Above

What facet of cloud computing helps to guard against downtime and determines costs?

Service-level agreements

Application programming interfaces

Virtual private networks

Bandwidth fees

Cloud Services have a relationship with their customers.

Many-to-many

One-to-many

One-to-one

None of the Name

What is the most popular use case for public cloud computing today?

Test and development

Website hosting

Disaster recovery

Business analytics

Virtual Machine Ware (VMware) is an example of

Infrastructure Service

Platform Service

Software Service

None of the above

Geographic distribution of data across a cloud provider's network is a problem for many enterprises because it

Makes data recovery harder

Adds latency

Raises security concerns

Breaks compliance regulations

Amazon Web Services is which type of cloud computing distribution model?

Software as a Service

Platform as a Service

Infrastructure as a Service

Software software as a service

Cloud computing networks are designed to support only private or hybrid clouds.

True

False

50.A good cloud computing network can be adjusted to provide bandwidth on demand.

True

False

51.A larger cloud network can be built as either a layer 3 or layer 4 network.

True

False

The typical three-layer switching topology will not create latency within a cloud network.

True

False

The term Cloud in cloud-computing refers to .

The Internet

Cumulus Clouds

A Computer

Thin Clients

which one is allows different operating systems to run in their own memory space.

VVM

VMC

VMM

All of the mentioned

Which service is a cloud computing infrastructure that creates a development environment upon which applications may be build.

Infrastructure

Platform

Service

All of the mentioned

Which of the following cloud concept is related to pooling and sharing of resources?

Polymorphism

Abstraction

Virtualization

None of the mentioned

Logical Network Perimeter can be implemented to

isolate IT resources in a cloud from non-authorized users

isolate IT resources in a cloud from non-users

isolate IT resources in a cloud from cloud consumers

all of the above

Form of virtualization software that emaluates a physical server.

virtual server

physical server

hybrid server

none of the above

Point out the wrong statement.

Abstraction enables the key benefit of cloud computing: shared, ubiquitous access

Virtualization assigns a logical name for a physical resource and then provides a pointer to that physical resource when a request is made

All cloud computing applications combine their resources into pools that can be assigned on demand to users

All of the mentioned

Which of the following type of virtualization is also characteristic of cloud computing?

Storage

Application

CPU

All of the mentioned

Point out the correct statement

A client can request access to a cloud service from any location

A cloud has multiple application instances and directs requests to an instance based on conditions

Computers can be partitioned into a set of virtual machines with each machine being assigned a workload

All of the mentioned

Which of the following network resources can be load balanced?

Connections through intelligent switches

DNS

Storage resources

All of the mentioned

Which of the following type of virtualization is also characteristic of cloud computing?

Storage

Application

CPU

All of the mentioned

Point out the correct statement

A client can request access to a cloud service from any location

A cloud has multiple application instances and directs requests to an instance based on conditions

Computers can be partitioned into a set of virtual machines with each machine being assigned a workload

All of the mentioned

Which of the following is another name for system virtual machine?

hardware virtual machine

software virtual machine

real machine

None of the mentioned

**UNIT:2**

**Cloud Computing Technologies&Cloud Infrastructure Mechanisms**

1.A service provider gets the same benefits from a compostable system that a user does.

CaaS

AaaS

PaaS

All of the mentioned Ans:C)

is a paradigm of distributed computing to provide the customers on- demand, utility based computing service.

Remote Sensing

Remote Invocation

Cloud Computing

Private Computing Ans:C)

Cloud providers provide cloud services to the cloud users.

True

False Ans:A)

Which of the following is not a cloud stakeholder?

Cloud providers

Clients

End users

Cloud users Ans:B)

These cloud services are of the form of utility computing i.e. the uses these services pay-as-you-go model.

Cloud providers

Clients

End users

Cloud user Ans:D)

Which of the following is not a type of cloud?

Private

Public

Protected

Hybrid Ans:C)

In this type of cloud, an organization rents cloud services from cloud providers on-demand basis.

Private

Public

Protected

Hybrid Ans:B)

In this type of cloud, the cloud is composed of multiple internal or external clouD)

Private

Public

Protected

Hybrid Ans:D)

9 . enables the migration of the virtual image from one physical machine to another.

visualization

virtualization

migration

virtual transfer Ans:B)

Most of the cloud architectures are built on this type of architecture.

skeleton

grid

linear

template Ans:B)

What is internet?

a single network

a vast collection of different networks

interconnection of local area networks

interconnection of wide area networks Ans:B)

To join the internet, the computer has to be connected to a

internet architecture board

internet society

internet service provider

different computer Ans:C)

Which of the following protocols is used in the internet?

HTTP

DHCP

DNS

DNS, HTTP and DNS Ans:D)

The size of an IP address in IPv6 is

32 bits

64 bits

128 bits

265 bits Ans:C)

Internet works on

packet switching

circuit switching

both packet switching and circuit switching

data switching Ans:A)

Which one of the following is not an application layer protocol used in internet?

remote procedure call

internet relay chat

resource reservation protocol

local procedure call Ans:C)

Which protocol assigns IP address to the client connected in the internet?

DHCP

IP

RPC

RSVP Ans:A)

Which one of the following is not used in media access control?

ethernet

digital subscriber line

fiber distributed data interface

packet switching Ans:D)

Saas stands for?

Software as a service

System Software and services

Software as a system

System as a service Ans:A)

All cloud computing applications suffer from the inherent that is intrinsic in their WAN connectivity.

propagation

latency

noise

all of the mentioned Ans:B)

Cloud computing is a system and it is necessarily unidirectional in nature.

stateless

stateful

reliable Ans:A)

all of the mentioned

Which of the following is the most important area of concern in cloud computing?

Security

Storage

Scalability

All of the mentioned Ans:A)

You can’t count on a cloud provider maintaining your in the face of government actions.

scalability

reliability

privacy

none of the mentioned Ans:C)

Which of the following architectural standards is working with cloud computing industry?

Service-oriented architecture

Standardized Web services

Web-application frameworks

All of the mentioned Ans:A)

Which type of IT resource can be virtualized ,Physical router and switches can be abstracted in to logical network .

Server

Storage C)Network D)Internet

Ans:C)

Virtualization technology enables different virtual servers to share one physical server ,this process is called

Resource Replication

Hypervisor

Server consolidation

Hardware Independence

Markup language that define the API of a web service including its individual operation and each operation input and output message

WSDL

SOAP

XML schema

UDDI

An agent is a processing module that collects usage data by having event-driven interaction with specialized resource software

Monitoring Agent

Resource Agent

Polling agent

Active agent Ans:B)

Which interface that implement cloud storage Device mechanisms typically can be accesses via REST or web service based cloud service using http as the prime protocol.

Network Storage Interface

Database Storage Interface

Block Storage Interface

Object storage Interface Ans:D)

30.A is a form of virtualization software that emaluates a physical server.

virtual server

physical server

hybrid server

none of the above Ans:A)

The IT resource that isolates the network environment within the data center infrastructure is called:

Virtual Firewall

Virtual Network

Both of the mentioned

None of the mentioned Ans:B)

irtual server is a form of virtualization software that emulates:

Virtual network

Physical Server

IT Resource

None of the mentioned Ans:B)

Which mechanism is used to replicate several instances of a virtual server, using a stored virtual server image.

Hyperviser

Virtualization

Cloud Auditor

None of the mentioned Ans:A)

Saas stands for?

Software as a service

System Software and services

Software as a system

System as a service Ans:A)

Internet works on

packet switching

circuit switching

both packet switching and circuit switching

data switching Ans:A)

Which protocol assigns IP address to the client connected in the internet?

DHCP

IP

RPC

RSVP Ans:A)

An extension of an enterprise’s private intranet across a public network such as the internet, creating a secure private connection is called .

VNP

VPN

VSN

VSPN Ans:B)

Which of the following is false with respect to UDP?

Connection-oriented

Unreliable

Transport layer protocol

Low overhead Ans:A)

What is the main advantage of UDP?

More overload

Reliable

Low overhead

Fast Ans:C)

Which of the following is false with respect to TCP?

Connection-oriented

Process-to-process

Transport layer protocol

Unreliable Ans:D)

In TCP, sending and receiving data is done as

Stream of bytes

Sequence of characters

Lines of data

Packets Ans:A)

The physical layer is concerned with

bit-by-bit delivery

process to process delivery

application to application delivery

port to port delivery Ans:A)

The data link layer takes the packets from and encapsulates them into frames for transmission.

network layer

physical layer

transport layer

application layer Ans:A)

The network layer is concerned with of data.

bits

frames

packets

bytes Ans:C)

Transport layer aggregates data from different applications into a single stream before passing it to

network layer

data link layer

application layer

physical layer Ans:A)

Which of the following are transport layer protocols used in networking?

TCP and FTP

UDP and HTTP

TCP and UDP

HTTP and FTP Ans:C)

This is a repository for the storage, management, and dissemination of data in which the mechanical, lighting, electrical and computer systems are designed for maximum energy efficiency and minimum environmental impact.

Storage lab

Data Center

Data warehouse

Fabric

Ans:B)

Resource is defined as the creation of multiple instances of the same IT resource.

Management

Provisioning

Replication

Allocation Ans:C)

irtual server is a form of virtualization software that emulates:

Virtual network

Physical Server

IT Resource

None of the mentioned

Which mechanism is used to replicate several instances of a virtual server, using a stored virtual server image.

Hyperviser

Virtualization

Cloud Auditor

None of the mentioned Ans:A)

Which of the following type of virtualization is also characteristic of cloud computing?

Storage

Application

CPU

All of the mentioned Ans:D)

An IT resource that actively filters network traffic to and from the isolated network while controlling its interactions with the Internet.

Virtual Firewall

Virtual Network

Both of the mentioned

None of the mentioned Ans:A)

Point out the correct statement.

A virtual machine is a computer that is walled off from the physical computer that the virtual machine is running on

Virtual machines provide the capability of running multiple machine instances, each with their own operating system

The downside of virtual machine technologies is that having resources indirectly addressed means there is some level of overhead

All of the mentioned Ans:D)

What is the full form of "FTP"?

File Tranmitting Protocol

File Transfer Protocol

Fast Transfer Protocol

Fast Transmitting Project Ans:B)

What is the full form of "HTTP"?

High Transfer Terra Page

Higher Transfer Technology Protocol

Hypertext Transfer Protocol

Hive Type Terminal Protocol Ans:C)

What is the full form of "ISP"?

Internet Service Provider

Internal Service Processor

International Server Provider

Internet System Processor Ans:A)

What is the full form of "OSI"?

Organisational Server Interface

Open Server Interconnection

Operating System Interface

Open System Interconnection Ans:D)

What is the full form of "SMTP"?

Structured Mail Transfer Protocol

Simple Mail Transmitting Protocol

Simple Mail Transfer Protocol

Server Mail Transfer Protocol AnsC)

Storge area network storage model, the operating system view storage resources as devices

FC

SCSI

SAN

None of the mentioned Ans:B

**UNIT:3**

**Specialized Cloud Mechanisms&Cloud Management Mechanisms**

The mechanism is used to specifically observe the runtime performance of cloud services to ensure that they are fulfilling the conteactualQoS requirements that are published in SLAs.

SLA Monitor

Load Balancer

Pay-Per-Use Monitor

Audit Monitor

The data collected by the SLA monitor is processed by an

to be aggregated into SLA reporting metrics.

SLA administration system

SLA failure system

SLA management system

SLA auditing system

The physical server polling has consecutively timed out three times, this generated event is termed as:

PS\_Timeout

PS\_Unreachable

PS\_Reachable

VM\_Unreachable

The previously unavailable physical server becomes responsive to polling again, this generated event is termed as:

VM\_Reachable

PS\_Timeout

PS\_Reachable

VM\_Unreachable

The mechanism measures cloud-based IT resource usage in accordance with predefined pricing parameters and generates usage logs for fee calculations and billing purposes.

Audit Monitor

SLA Monitor

Automated Scaling Listener

Pay-Per-Use Monitor

The information that is used to identify the type of pricing model for usage fee calaculations, including pre-paid subscription with usage quota, post-paid subscription with maximum usage quota is termed as:

Resource Usage Quota Consumption

Cloud Consumer Subscription Type

Resource Usage Category

Bandwidth Consumption

The billing management system uses this information to identify the range of usage fees that are applicable to each usage event. This particular information is termed as:

Resource Usage Quota Consumption

Cloud Consumer Subscription Type

Resource Usage Category

Bandwidth Consumption

When usage contracts define IT resource usage quotas, usage event conditions are typically supplemented with quota consumption and updated quota limits. This type of consumption is termed as:

Resource Usage Quota Consumption

Cloud Consumer Subscription Type

Resource Usage Category

Bandwidth Consumption

9.A pay-per-use monitor implemented as a used to determine the usage period of a virtual server.

Resource Auditor

Resource Broker

Resource Admin

Resource Agent

10.A pay-per-use monitor designed as a that transparently intercepts and analyzes runtime communication with a cloud service.

Resource Auditor

Monitoring Agent

Service Agent

Resource Agent

11.A monitoring agent that collects tracking data for networks and IT resources is Called

Load balancer

Audit Monitor

Automated Scaling Listener

Pay-per use Monitor

12.Which of the following are not Cloud management mechanisms

Remote Administration system

SLA Management System

Audit Monitor System

Billing Management System 13.Failover System can be defined as

A system to increase the reliability and availability of IT resources by using established clustering technology to provide redundant implementations

A resource agent that monitors and keeps track of the runtime performance of cloud services.

The Failure of the system

None of the mentioned 14.Failover System include

Only Active-Active

Only Active-Passive

None of the mentioned

Both the mentioned

The monitoring agent that intercepts login requests and stores the requestors security credentials, as well as both failed attempts in a log database for future audit reporting purposes.

Pay-per-use monitor

SLA Monitor

Audit Monitor

Cloud Usage Monitor

The mechanism that rely on the resource replication mechanism to supply the redundant IT resource instances is called

Failover systems

Hypervisor

Load balancer

Resource Cluster

The Specialized cloud mechanism used to intercept the response message and stores the entire collected login event details in the log database

Pay-per-use monitor

Audit Monitor

SLA Monitor

Cloud Usage Monitor

The implementation mecahnism used in the failoversystems are

Hypervoiser

Resource replication

SLA Monitor

Cloud Auditor

DAS-based: periodic synchronization can also be reffered as

SAN Based

NAS based

None of mentioned

WORM based

20.A state management database is a

Network Device

Storage Device

Software Program

Router

Storage management database is used to make software programs more

available

reliable

scalable

secure

The cloud management mechanism

Remote Administration System

Resource Management System

Billing Management System

All of the above

The tools and APIs provided by remote administration system are used by

Cloud Provider

Cloud Consumer

Both cloud provider and cloud consumer

None of the above

The tools and user interfaces for external cloud resource admininstrators to configure and asminister cloud based IT resources is provided by

SLA Management System

Resource Management System

Billing Management System

Remote Administration System

The task performed by cloud consumers via a remote administration console is/are

monitoring cloud service status

managing leasing costs

capacity planning

All of the above

The primary types of portal created with remote administration system is/are

usage and administration portal

self-service portal

Both A and B

None of the above

In remote administration system, the task of planning and assessing IT resource provisioning is performed by

Cloud Provider

Cloud Consumer

Cloud Broker

Cloud Auditor

Theself service portal in remote administration system is used by to search cloud services.

Cloud Provider

Cloud Consumer

Cloud Owner

Cloud Broker

The resource management system mechanism helps cocordinate IT resources in response to management actions performed by both

cloud consumers and cloud services

cloud consumers and cloud providers

none of the above

all of the above

30.A is the core of the resource management system that coordinatesthe server hardware so that virtual server instances can be created from the underlying physical server.

virtual server

resource management system

virtual infrastructure manager

physical server

31.Which of the following is NOT the task of resource management system

managing virtual IT resources

allocating and releasing the virtual IT resources

monitoringQoS and SLA fulfillment

monitoring operational conditions of IT resources

32.A resource management system consist of .

VIM platform and VIM image repository

usage and administration portal

self-service portal

None of the above

An service level agreement management system mechanism encompassing an

and .

usage and administration portal

VIM platform and VIM image repository

pricing and contract manager

SLA manager and QoS measurement repository

Queries can be issued and reports can be generated for an externalcloud resource admjnistrator via .

usage and administration portal

pricing and contract manager

SLA manager and QoS measurement repository

None

The metrics monitored for individual cloud services are aligned with the SLA gurantees in corresponding cloud provisioning contracts through .

Remote Administration System

Resource Management System

SLA Management system

All

can create and manage multiple instances of a hypervisor across different physical servers or allocate a virtual server on one physical server

Resource managment system

Virtual machnine

VIM

Virtual server

The SLA monitor polls the cloud service that sends

polling request messages

Polling response messages

both of the above

none of the above

Theself service portal in remote administration system is used by to search cloud services.

Cloud Provider

Cloud Consumer

Cloud Owner

Cloud Broker

mechanism is used to group multiple IT resource instances so that they can be operated as single IT resource.

Hypervisor

Multi Tenant

Resource Cluster

Resource Replication

40Above layer a hypervisor is installed.

Network Layer

Application Layer

Physical Layer

Transport Layer

mechanism is used to generate virtual server instances of a physical server.

Resource Cluster

Hypervisor

VM Ware

Load Balancer

Resource Cluster architectures rely on

High Speed Network Connection

High Speed dedicated Network Connection

Hypervisor

All of the above

Database clusters are designed to improve

Data Availability

Redundancy

Auditing

All of the above

Cluster specializes in distributing workloads among cluster nodes to increse IT resource capaacity, while preserving the centralization of IT resource management.

Load balanced Cluster

HA cluster

Large Data set Cluster

Server Cluster

Cluster is used to data partitioning and distribution so that target data sets can be efficiently partitioned without compromising data integrity.

Load balanced Cluster

HA cluster

Large Data set Cluster

Server Cluster

maintains a system availability in the event of multiple node failures.

Load balanced Cluster

HA cluster

Large Data set Cluster

Server Cluster

Hypervisor software provides features.

Scheduling

Sharing

Controlling

All of the above

Load Balanced cluster usually implements a load balanced mechanism

Either embedded within the cluster management platform

Setup as a seperate IT Resource.

Both A and B

None of the above

transforms the communication protocols used by mobile devices into protocols that are compatible with a cloud service.

Mobile Device Gateway

XML Gateway

Cloud Storage Gateway

HTTP Gateway

ia a general purpose portal that centralizes management controls to different cloud-based IT resources.

Self-Service Portal

Usage and Administration Portal

Custom IT Resource Management Portal

On-Premise IT Resource Portal

Unit:4

**Virtualization:**

1.An virtualization layer used for different user applications managed by their own operating systems (guest OS) can run on the same hardware, independent of the host OS is refereed as

hypervisor

virtual machine monitor

Both the mentioned

None

Which of the following is another name for the system virtual machine?

hardware virtual machine

software virtual machine

real machine

none of the mentioned

Which of the following provide system resource access to virtual machines?

VMM

VMC

VNM

all of the mentioned

Which of the following is Type 1 Hypervisor?

Wind River Simics

Virtual Server 2005 R2

KVM

LynxSecure

Which of the following type of virtualization is found in hypervisor such as Microsoft’s Hyper- V?

paravirtualization

full virtualization

emulation

none of the mentioned

In the virtual machine simulates hardware, so it can be independent of the underlying system hardware.

paravirtualization

full virtualization

emulation

none of the mentioned

Point out the wrong statement.

Full virtualization requires that the host operating system provide a virtual machine interface for the guest operating system and that the guest access hardware through that host VM

Guest operating systems in full virtualization systems are generally faster than other virtualization schemes

a process virtual machine instantiates when a command begins a process

all of the mentioned

In a scheme, the VM is installed as a Type 1 Hypervisor directly onto the hardware.

paravirtualization

full virtualization

emulation

none of the mentioned

at the ISa level, virtualization is performed by emulating a given ISa by the ISa of

Virtual machine

Host machine

Guest OS

none of the mentioned

Hardware-level virtualization is performed right on top of which harware devices

processors

memory

I/O devices

all of the mentioned

vCUDa which allows applications executing within VMs to leverage GPU hardware acceleration is an exapmle for

hardware abstraction Level

Os-level Level

Library Support Level

User application Level

The most popular approach which is to deploy high level language (HLL)VMs.

hardware abstraction Level

Os-level Level

Library Support Level

User application Level

Virtulization can be implemeted in

hardware abstraction Level

Os-level Level

Library Support Level

all the mentioned

which virtualization implementation level has more application flexibility

hardware abstraction Level

Instrction set architecture level

Library Support Level

User application Level

which virtualization implementation level has more implementation complexity

hardware abstraction Level

Instrction set architecture level

Library Support Level

User application Level

which virtualization implementation level has higher performance

hardware abstraction Level

Instrction set architecture level

Library Support Level

User application Level

the basic concept of the vCUDa architecture consists of

thevCUDa library

a virtual GPU in the guest OS

vCUDa stub in the host OS

all the mentioned

noncritical instructions run on the hardware directly while critical instructions are discovered and replaced with traps into the VMM to be emulated by software in

Full Virtualization

para Virtualization

Host- based Virtualization

None

the type of Virtualization replaces nonvirtualizable instructions with hypercalls that communicate directly with the hypervisor or VMM

Full Virtualization

para Virtualization

Host- based Virtualization

None

In Para-Virtualization architecture ring-0 defines

paravirualized guest-os

host-os

user apps

virtialization layer

Which of the following type of virtualization is also characteristic of cloud computing?

Storage

application

CPU

all of the mentioned

In Para-Virtualization architecture ring-3 defines

paravirualized guest-os

host-os

user apps

virtialization layer

Ring 0 represents In Para-Virtualization architecture

level having most privilege

level having least privilege

None

Ring 3 represents In Para-Virtualization architecture

level having most privilege

level having least privilege

None

KVM (Kernel-Based VM) is a

Full Virtualized system

para Virtualized system

Host- based Virtualized system

None

hypervisor kernel provides the same functionality as other operating systems, such as process creation, file system management, and process scheduling. It is designed to specifically support multiple virtual machines and to provide core functionalities, such as resource scheduling, I/O stacks, etc.

Hypervisor Components - VMM

Hypervisor Components - Kernel

Resource Control - Share

vSphere Key Components

**Virtualization and Cloud Computing** Course Code: **BTCS15F6200** Semester: **V**I

# Question Bank UNIT:1

**Introduction to Cloud Computing**

Which of the following was one of the top 5 cloud applications in 2010?

Cloud backup

Web applications

Business applications

All of the mentioned

Point out the correct statement.

Google’s cloud includes perhaps some 10 data centers worldwide

Flipkart.com’s infrastructure was built to support elastic demand so the system could accommodate peak traffic

Data centers have been sited to optimize the overall system latency

All of the mentioned

Which of the following benefit is related to creates resources that are pooled together in a system that supports multi-tenant usage?

On-demand self-service

Broad network access

Resource pooling

All of the mentioned

The is something that you can obtain under contract from your vendor.

PoS

QoS

SoS

All of the mentioned

Point out the wrong statement.

Internet consumes roughly 1 percent of the world’s total power

The cost advantages of cloud computing have enabled new software vendors to create productivity applications

A client can provision computer resources without the need for interaction with cloud service provider personnel

None of the mentioned

All cloud computing applications suffer from the inherent that is intrinsic in their WAN connectivity.

Propagation

Latency

Noise

All of the mentioned

Which term best describes the ability to rapidly increase user accounts for a given cloud service?

Volatility

Synchronicity

Viability

Elasticity

Your company runs a virtualized web application server in-house,You decide to make the web applications available over the Internet through a cloud provider,Which method represents the quickest way to accomplish this?

Create a new cloud server, install web services,and install and configure web applications.

Create a new cloud server, install web services,and import web application data.

Migrate your in-house web application server to the cloud.

This cannot be done — only generic applications are available through the cloud.

Purchasing software and providing it to a third party that installs and manages that software is an example of which of the following?

Virtualization

Application service provider

Platform as a service

Private cloud

You are the IT director for a retail clothing outlet,Your competitors are using Internet- delivered inventory storage and backup solutions from a specific provider,You conclude it is best that your company use the same services from the same provider,What type of cloud will you be subscribing to?

Community cloud

Retail cloud

Private cloud

Public cloud

As a developer for a software company, you have decided to build and test your web applications in a cloud environment,Which type of cloud service best meets your needs?

PaaS

SaaS

IaaS

Xaas

What cloud computing characteristic ensures services and data are always reachable?

Confidentiality

Integrity

Availability

Scalability

You must ensure that your business computing resources can quickly grow as business demands change,Which of the following allows this?

Confidentiality

Integrity

Availability

Scalability

Which of the following is most important area of concern in cloud computing ?

Security

Storage

Scalability

None

Which of the following is one of the unique attribute of Cloud Computing ?

utility type of delivery

elasticity

low barrier to entry

all of the above

Which of the following cloud concept is related to pooling and sharing of resources ?

Polymorphism

Virtualization

Abstraction

None of the mentioned

Point out the wrong statement

A cloud is defined as the combination of the infrastructure of a datacenter with the ability to provision hardware and software

High touch applications are best done on-premises

The Google App Engine follows IaaS

All of the above

The model consists of the particular types of services that you can access on a cloud computing platform.

Service

Deployment

Application

None of the mentioned

The refers to the location and management of the cloud infrastructure.

Service

Deployment

Application

None of the mentioned

Which of the following is the deployment model?

public

private

hybrid

all of the mentioned

Point out the correct statement.

A deployment model defines the purpose of the cloud and the nature of how the cloud is located

Service model defines the purpose of the cloud and the nature of how the cloud is located

Cloud Square Model is meant to show is that the traditional notion of a network boundary being the network firewall no longer applies in cloud computing

All of the mentioned

The cloud infrastructure is operated for the exclusive use of an organization.

Public

Private

Community

All of the mentioned

Which provides virtual machines, virtual storage, virtual infrastructure, and other hardware assets.

IaaS

SaaS

PaaS

All of the mentioned

Point out the wrong statement.

A PaaS service adds integration features, middleware, and other orchestration and choreography services to the IaaS model

XaaS or anything as a service is the delivery of IT as a Service through hybrid Cloud computing

Monitoring as a Service (MaaS) is at present still an emerging piece of the Cloud jigsaw

None of the mentioned

With cloud computing services, hardware purchases, software purchases, and IT support are the responsibility of whom?

Internet service provider

PaaS provider

SaaS provider

Application service provider

When you add a software stack, such as an operating system and applications to the service,the model shifts to model.

SaaS

PaaS

IaaS

All of the mentioned

Which of the following is most refined and restrictive service model ?

IaaS

CaaS

PaaS

All of the mentioned

All cloud computing applications suffer from the inherent that is intrinsic in their WAN connectivity.

propagation

latency

noise

All of the mentioned

Cloud computing is a system and it is necessarily unidirectional in nature.

stateless

stateful

reliable

None of the above

Which of the following is best known service model ?

SaaS

IaaS

PaaS

All of the mentioned

Which of the following is related to service provided by Cloud ?

Sourcing

Ownership

Reliability

AaaS

Which is a complete operating environment with applications, management and the user interface.

IaaS

SaaS

PaaS

All of the mentioned

Which of the following cloud concept is related to pooling and sharing of resources ?

Polymorphism

Abstraction

Virtualization

None of the mentioned

The contract for performance negotiated between user and a service provider is called

Level Agreement.

Service

Application

Deployment

All of the mentioned

Which of the following is specified parameter of SLA ?

Response times

Responsibilities of each party

Warranties

All of the mentioned

Which of the architectural layer is used as backend in cloud computing ?

client

cloud

soft

All of the mentioned

which one is a cloud requires virtualized storage to support the staging and storage of data.

soft

compute

local

None of the mentioned

Point out the wrong statement

Virtual appliances are becoming a very important standard cloud computing deployment object

Cloud computing requires some standard protocols

Cloud computing relies on a set of protocols needed to manage interprocess communications

None of the mentioned

Which of the following is Cloud Platform by Amazon ?

Azure

AWS

Cloudera

All of the mentioned

Cloud computing is an abstraction based on the notion of pooling physical resources and presenting them as a resource.

real

virtual

cloud

None of the mentioned

Which of the following cloud concept is related to pooling and sharing of resources?

Polymorphism

Abstraction

Virtualization

None of the mentioned

Which of the following type of virtualization is also characteristic of cloud computing?

Storage

Application

CPU

All of the Above

What facet of cloud computing helps to guard against downtime and determines costs?

Service-level agreements

Application programming interfaces

Virtual private networks

Bandwidth fees

Cloud Services have a relationship with their customers.

Many-to-many

One-to-many

One-to-one

None of the Name

What is the most popular use case for public cloud computing today?

Test and development

Website hosting

Disaster recovery

Business analytics

Virtual Machine Ware (VMware) is an example of

Infrastructure Service

Platform Service

Software Service

None of the above

Geographic distribution of data across a cloud provider's network is a problem for many enterprises because it

Makes data recovery harder

Adds latency

Raises security concerns

Breaks compliance regulations

Amazon Web Services is which type of cloud computing distribution model?

Software as a Service

Platform as a Service

Infrastructure as a Service

Software software as a service

Cloud computing networks are designed to support only private or hybrid clouds.

True

False

50.A good cloud computing network can be adjusted to provide bandwidth on demand.

True

False

51.A larger cloud network can be built as either a layer 3 or layer 4 network.

True

False

The typical three-layer switching topology will not create latency within a cloud network.

True

False

The term Cloud in cloud-computing refers to .

The Internet

Cumulus Clouds

A Computer

Thin Clients

which one is allows different operating systems to run in their own memory space.

VVM

VMC

VMM

All of the mentioned

Which service is a cloud computing infrastructure that creates a development environment upon which applications may be build.

Infrastructure

Platform

Service

All of the mentioned

Which of the following cloud concept is related to pooling and sharing of resources?

Polymorphism

Abstraction

Virtualization

None of the mentioned

Logical Network Perimeter can be implemented to

isolate IT resources in a cloud from non-authorized users

isolate IT resources in a cloud from non-users

isolate IT resources in a cloud from cloud consumers

all of the above

Form of virtualization software that emaluates a physical server.

virtual server

physical server

hybrid server

none of the above

Point out the wrong statement.

Abstraction enables the key benefit of cloud computing: shared, ubiquitous access

Virtualization assigns a logical name for a physical resource and then provides a pointer to that physical resource when a request is made

All cloud computing applications combine their resources into pools that can be assigned on demand to users

All of the mentioned

Which of the following type of virtualization is also characteristic of cloud computing?

Storage

Application

CPU

All of the mentioned

Point out the correct statement

A client can request access to a cloud service from any location

A cloud has multiple application instances and directs requests to an instance based on conditions

Computers can be partitioned into a set of virtual machines with each machine being assigned a workload

All of the mentioned

Which of the following network resources can be load balanced?

Connections through intelligent switches

DNS

Storage resources

All of the mentioned

Which of the following type of virtualization is also characteristic of cloud computing?

Storage

Application

CPU

All of the mentioned

Point out the correct statement

A client can request access to a cloud service from any location

A cloud has multiple application instances and directs requests to an instance based on conditions

Computers can be partitioned into a set of virtual machines with each machine being assigned a workload

All of the mentioned

Which of the following is another name for system virtual machine?

hardware virtual machine

software virtual machine

real machine

None of the mentioned

**UNIT:2**

**Cloud Computing Technologies&Cloud Infrastructure Mechanisms**

1.A service provider gets the same benefits from a compostable system that a user does.

CaaS

AaaS

PaaS

All of the mentioned

is a paradigm of distributed computing to provide the customers on- demand, utility based computing service.

Remote Sensing

Remote Invocation

Cloud Computing

Private Computing

Cloud providers provide cloud services to the cloud users.

True

False

Which of the following is not a cloud stakeholder?

Cloud providers

Clients

End users

Cloud users

These cloud services are of the form of utility computing i.e. the uses these services pay-as-you-go model.

Cloud providers

Clients

End users

Cloud user

Which of the following is not a type of cloud?

Private

Public

Protected

Hybrid

In this type of cloud, an organization rents cloud services from cloud providers on-demand basis.

Private

Public

Protected

Hybrid

In this type of cloud, the cloud is composed of multiple internal or external clouD)

Private

Public

Protected

Hybrid

9 . enables the migration of the virtual image from one physical machine to another.

visualization

virtualization

migration

virtual transfer

10.Most of the cloud architectures are built on this type of architecture.

skeleton

grid

linear

template 11.What is internet?

a single network

a vast collection of different networks

interconnection of local area networks

interconnection of wide area networks

To join the internet, the computer has to be connected to a

internet architecture board

internet society

internet service provider

different computer

Which of the following protocols is used in the internet?

HTTP

DHCP

DNS

DNS, HTTP and DNS

The size of an IP address in IPv6 is

32 bits

64 bits

128 bits

265 bits

Internet works on

packet switching

circuit switching

both packet switching and circuit switching

data switching

Which one of the following is not an application layer protocol used in internet?

remote procedure call

internet relay chat

resource reservation protocol

local procedure call

Which protocol assigns IP address to the client connected in the internet?

DHCP

IP

RPC

RSVP

Which one of the following is not used in media access control?

ethernet

digital subscriber line

fiber distributed data interface

packet switching 19.Saas stands for?

Software as a service

System Software and services

Software as a system

System as a service

All cloud computing applications suffer from the inherent that is intrinsic in their WAN connectivity.

propagation

latency

noise

all of the mentioned

Cloud computing is a system and it is necessarily unidirectional in nature.

stateless

stateful

reliable

all of the mentioned

Which of the following is the most important area of concern in cloud computing?

Security

Storage

Scalability

All of the mentioned

You can’t count on a cloud provider maintaining your in the face of government actions.

scalability

reliability

privacy

none of the mentioned

Which of the following architectural standards is working with cloud computing industry?

Service-oriented architecture

Standardized Web services

Web-application frameworks

All of the mentioned

Which type of IT resource can be virtualized ,Physical router and switches can be abstracted in to logical network .

Server

Storage C)Network D)Internet

Virtualization technology enables different virtual servers to share one physical server ,this process is called

Resource Replication

Hypervisor

Server consolidation

Hardware Independence

Markup language that define the API of a web service including its individual operation and each operation input and output message

WSDL

SOAP

XML schema

UDDI

An agent is a processing module that collects usage data by having event-driven interaction with specialized resource software

Monitoring Agent

Resource Agent

Polling agent

Active agent

Which interface that implement cloud storage Device mechanisms typically can be accesses via REST or web service based cloud service using http as the prime protocol.

Network Storage Interface

Database Storage Interface

Block Storage Interface

Object storage Interface

30.A is a form of virtualization software that emaluates a physical server.

virtual server

physical server

hybrid server

none of the above

The IT resource that isolates the network environment within the data center infrastructure is called:

Virtual Firewall

Virtual Network

Both of the mentioned

None of the mentioned

irtual server is a form of virtualization software that emulates:

Virtual network

Physical Server

IT Resource

None of the mentioned

Which mechanism is used to replicate several instances of a virtual server, using a stored virtual server image.

Hyperviser

Virtualization

Cloud Auditor

None of the mentioned 34.Saas stands for?

Software as a service

System Software and services

Software as a system

System as a service 35.Internet works on

packet switching

circuit switching

both packet switching and circuit switching

data switching

Which protocol assigns IP address to the client connected in the internet?

DHCP

IP

RPC

RSVP

An extension of an enterprise’s private intranet across a public network such as the internet, creating a secure private connection is called .

VNP

VPN

VSN

VSPN

Which of the following is false with respect to UDP?

Connection-oriented

Unreliable

Transport layer protocol

Low overhead

What is the main advantage of UDP?

More overload

Reliable

Low overhead

Fast

Which of the following is false with respect to TCP?

Connection-oriented

Process-to-process

Transport layer protocol

Unreliable

In TCP, sending and receiving data is done as

Stream of bytes

Sequence of characters

Lines of data

Packets

The physical layer is concerned with

bit-by-bit delivery

process to process delivery

application to application delivery

port to port delivery

The data link layer takes the packets from and encapsulates them into frames for transmission.

network layer

physical layer

transport layer

application layer

The network layer is concerned with of data.

bits

frames

packets

bytes

Transport layer aggregates data from different applications into a single stream before passing it to

network layer

data link layer

application layer

physical layer

Which of the following are transport layer protocols used in networking?

TCP and FTP

UDP and HTTP

TCP and UDP

HTTP and FTP

This is a repository for the storage, management, and dissemination of data in which the mechanical, lighting, electrical and computer systems are designed for maximum energy efficiency and minimum environmental impact.

Storage lab

Data Center

Data warehouse

Fabric

Resource is defined as the creation of multiple instances of the same IT resource.

Management

Provisioning

Replication

Allocation

irtual server is a form of virtualization software that emulates:

Virtual network

Physical Server

IT Resource

None of the mentioned

Which mechanism is used to replicate several instances of a virtual server, using a stored virtual server image.

Hyperviser

Virtualization

Cloud Auditor

None of the mentioned

Which of the following type of virtualization is also characteristic of cloud computing?

Storage

Application

CPU

All of the mentioned

An IT resource that actively filters network traffic to and from the isolated network while controlling its interactions with the Internet.

Virtual Firewall

Virtual Network

Both of the mentioned

None of the mentioned 53.Point out the correct statement.

A virtual machine is a computer that is walled off from the physical computer that the virtual machine is running on

Virtual machines provide the capability of running multiple machine instances, each with their own operating system

The downside of virtual machine technologies is that having resources indirectly addressed means there is some level of overhead

All of the mentioned

54.What is the full form of "FTP"?

File Tranmitting Protocol

File Transfer Protocol

Fast Transfer Protocol

Fast Transmitting Project 55.What is the full form of "HTTP"?

High Transfer Terra Page

Higher Transfer Technology Protocol

Hypertext Transfer Protocol

Hive Type Terminal Protocol

56.What is the full form of "ISP"?

Internet Service Provider

Internal Service Processor

International Server Provider

Internet System Processor 57.What is the full form of "OSI"?

Organisational Server Interface

Open Server Interconnection

Operating System Interface

Open System Interconnection 58.What is the full form of "SMTP"?

Structured Mail Transfer Protocol

Simple Mail Transmitting Protocol

Simple Mail Transfer Protocol

Server Mail Transfer Protocol

59.Storge area network storage model, the operating system view storage resources as devices

FC

SCSI

SAN

None of the mentioned

**UNIT:3**

**Specialized Cloud Mechanisms&Cloud Management Mechanisms**

The mechanism is used to specifically observe the runtime performance of cloud services to ensure that they are fulfilling the conteactualQoS requirements that are published in SLAs.

SLA Monitor

Load Balancer

Pay-Per-Use Monitor

Audit Monitor A)SLA Monitor

The data collected by the SLA monitor is processed by an

to be aggregated into SLA reporting metrics.

SLA administration system

SLA failure system

SLA management system

SLA auditing system C)SLA management system

The physical server polling has consecutively timed out three times, this generated event is termed as:

PS\_Timeout

PS\_Unreachable

PS\_Reachable

VM\_Unreachable A)PS\_Time out

The previously unavailable physical server becomes responsive to polling again, this generated event is termed as:

VM\_Reachable

PS\_Timeout

PS\_Reachable

VM\_Unreachable A)VM\_Reachable

The mechanism measures cloud-based IT resource usage in accordance with predefined pricing parameters and generates usage logs for fee calculations and billing purposes.

Audit Monitor

SLA Monitor

Automated Scaling Listener

Pay-Per-Use Monitor D)pay -per-use Monitor

The information that is used to identify the type of pricing model for usage fee calaculations, including pre-paid subscription with usage quota, post-paid subscription with maximum usage quota is termed as:

Resource Usage Quota Consumption

Cloud Consumer Subscription Type

Resource Usage Category

Bandwidth Consumption A)Resource Usage Quota Consumption

The billing management system uses this information to identify the range of usage fees that are applicable to each usage event. This particular information is termed as:

Resource Usage Quota Consumption

Cloud Consumer Subscription Type

Resource Usage Category

Bandwidth Consumption

B)Cloud Consumer Subscription Type

When usage contracts define IT resource usage quotas, usage event conditions are typically supplemented with quota consumption and updated quota limits. This type of consumption is termed as:

Resource Usage Quota Consumption

Cloud Consumer Subscription Type

Resource Usage Category

Bandwidth Consumption B)Bandwidth Consumption

9.A pay-per-use monitor implemented as a used to determine the usage period of a virtual server.

Resource Auditor

Resource Broker

Resource Admin

Resource Agent

D) Resource Agent

10.A pay-per-use monitor designed as a that transparently intercepts and analyzes runtime communication with a cloud service.

Resource Auditor

Monitoring Agent

Service Agent

Resource Agent B)Monitoring Agent

11.A monitoring agent that collects tracking data for networks and IT resources is Called

Load balancer

Audit Monitor

Automated Scaling Listener

Pay-per use Monitor B)Audit Monitor

Which of the following are not Cloud management mechanisms

Remote Administration system

SLA Management System

Audit Monitor System

Billing Management System C)Audit Monitor System

Failover System can be defined as

A system to increase the reliability and availability of IT resources by using established clustering technology to provide redundant implementations

A resource agent that monitors and keeps track of the runtime performance of cloud services.

The Failure of the system

None of the mentioned

A) A system to increase the reliability and availability of IT resources by using established Clustering technology to provide redundant implementations

Failover System include

Only Active-Active

Only Active-Passive

None of the mentioned

Both the mentioned

B) Only Active -Passive

The monitoring agent that intercepts login requests and stores the requestors security credentials, as well as both failed attempts in a log database for future audit reporting purposes.

Pay-per-use monitor

SLA Monitor

Audit Monitor

Cloud Usage Monitor B)SLA Monitor

The mechanism that rely on the resource replication mechanism to supply the redundant IT resource instances is called

Failover systems

Hypervisor

Load balancer

Resource Cluster A)Failover systems

The Specialized cloud mechanism used to intercept the response message and stores the entire collected login event details in the log database

Pay-per-use monitor

Audit Monitor

SLA Monitor

Cloud Usage Monitor D)Cloud Usage Monitor

The implementation mecahnism used in the failoversystems are

Hypervoiser

Resource replication

SLA Monitor

Cloud Auditor A)Hypervoiser

DAS-based: periodic synchronization can also be reffered as

SAN Based

NAS based

None of mentioned

WORM based A)NAS based

20.A state management database is a

Network Device

Storage Device

Software Program

Router

B) Storage device

Storage management database is used to make software programs more

available

reliable

scalable

secure B)reliable

The cloud management mechanism

Remote Administration System

Resource Management System

Billing Management System

All of the above

C)Billing Management System

The tools and APIs provided by remote administration system are used by

Cloud Provider

Cloud Consumer

Both cloud provider and cloud consumer

None of the above A)Cloud Provider

The tools and user interfaces for external cloud resource admininstrators to configure and asminister cloud based IT resources is provided by

SLA Management System

Resource Management System

Billing Management System

Remote Administration System A)SLA Management System

The task performed by cloud consumers via a remote administration console is/are

monitoring cloud service status

managing leasing costs

capacity planning

All of the above

A) monitoring cloud service status

The primary types of portal created with remote administration system is/are

usage and administration portal

self-service portal

Both A and B

None of the above

A)Usage and administration portal

In remote administration system, the task of planning and assessing IT resource provisioning is performed by

Cloud Provider

Cloud Consumer

Cloud Broker

Cloud Auditor A)Cloud Provider

Theself service portal in remote administration system is used by to search cloud services.

Cloud Provider

Cloud Consumer

Cloud Owner

Cloud Broker A)Cloud Provider

The resource management system mechanism helps cocordinate IT resources in response to management actions performed by both

cloud consumers and cloud services

cloud consumers and cloud providers

none of the above

all of the above

A)cloud consumers and cloud services

30.A is the core of the resource management system that coordinatesthe server hardware so that virtual server instances can be created from the underlying physical server.

virtual server

resource management system

virtual infrastructure manager

physical server D)physical server

31.Which of the following is NOT the task of resource management system

managing virtual IT resources

allocating and releasing the virtual IT resources

monitoringQoS and SLA fulfillment

monitoring operational conditions of IT resources A)manaing virtual IT resources

32.A resource management system consist of

VIM platform and VIM image repository

usage and administration portal

self-service portal

None of the above

B) Usage and administration portal

An service level agreement management system mechanism encompassing an

and .

usage and administration portal

VIM platform and VIM image repository

pricing and contract manager

SLA manager and QoS measurement repository A)SLA manager and QoS measurement repositoy

Queries can be issued and reports can be generated for an externalcloud resource admjnistrator via .

usage and administration portal

pricing and contract manager

SLA manager and QoS measurement repository

None

A)Usage and administration portal

The metrics monitored for individual cloud services are aligned with the SLA gurantees in corresponding cloud provisioning contracts through .

Remote Administration System

Resource Management System

SLA Management system

All

C)SLA Management System

can create and manage multiple instances of a hypervisor across different physical servers or allocate a virtual server on one physical server

Resource managment system

Virtual machnine

VIM

Virtual server

A)Resource management system

The SLA monitor polls the cloud service that sends

polling request messages

Polling response messages

both of the above

none of the above B)polling request messages

Theself service portal in remote administration system is used by to search cloud services.

Cloud Provider

Cloud Consumer

Cloud Owner

Cloud Broker A)Cloud Provider

mechanism is used to group multiple IT resource instances so that they can be operated as single IT resource.

Hypervisor

Multi Tenant

Resource Cluster

Resource Replication C)Resource Cluster

40Above layer a hypervisor is installed.

Network Layer

Application Layer

Physical Layer

Transport Layer C)Physical Layer

mechanism is used to generate virtual server instances of a physical server.

Resource Cluster

Hypervisor

VM Ware

Load Balancer B)Hypervisor

Resource Cluster architectures rely on

High Speed Network Connection

High Speed dedicated Network Connection

Hypervisor

All of the above

B)High Speed dedicated Network Connection

Database clusters are designed to improve

Data Availability

Redundancy

Auditing

All of the above A)Data Availability

Cluster specializes in distributing workloads among cluster nodes to increse IT resource capaacity, while preserving the centralization of IT resource management.

Load balanced Cluster

HA cluCster

Large Data set Cluster

Server Cluster A)Load balanced Cluster

Cluster is used to data partitioning and distribution so that target data sets can be efficiently partitioned without compromising data integrity.

Load balanced Cluster

HA cluster

Large Data set Cluster

Server Cluster C)Larger balanced Cluster

maintains a system availability in the event of multiple node failures.

Load balanced Cluster

HA cluster

Large Data set Cluster

Server Cluster B)HA Cluster

Hypervisor software provides features.

Scheduling

Sharing

Controlling

All of the above B)Sharing

Load Balanced cluster usually implements a load balanced mechanism

Either embedded within the cluster management platform

Setup as a seperate IT Resource.

Both A and B

None of the above

A)Either embedded within the cluster management platform

transforms the communication protocols used by mobile devices into protocols that are compatible with a cloud service.

Mobile Device Gateway

XML Gateway

Cloud Storage Gateway

HTTP Gateway C)Cloud Storage Gateway

ia a general purpose portal that centralizes management controls to different cloud-based IT resources.

Self-Service Portal

Usage and Administration Portal

Custom IT Resource Management Portal

On-Premise IT Resource Portal B)Usage and Administration Portal

Unit:4

**Virtualization:**

1.An virtualization layer used for different user applications managed by their own operating systems (guest OS) can run on the same hardware, independent of the host OS is refereed as

hypervisor

virtual machine monitor

Both the mentioned

None

Which of the following is another name for the system virtual machine?

hardware virtual machine

software virtual machine

real machine

none of the mentioned

Which of the following provide system resource access to virtual machines?

VMM

VMC

VNM

all of the mentioned

Which of the following is Type 1 Hypervisor?

Wind River Simics

Virtual Server 2005 R2

KVM

LynxSecure

Which of the following type of virtualization is found in hypervisor such as Microsoft’s Hyper- V?

paravirtualization

full virtualization

emulation

none of the mentioned

In the virtual machine simulates hardware, so it can be independent of the underlying system hardware.

paravirtualization

full virtualization

emulation

none of the mentioned

Point out the wrong statement.

Full virtualization requires that the host operating system provide a virtual machine interface for the guest operating system and that the guest access hardware through that host VM

Guest operating systems in full virtualization systems are generally faster than other virtualization schemes

a process virtual machine instantiates when a command begins a process

all of the mentioned

In a scheme, the VM is installed as a Type 1 Hypervisor directly onto the hardware.

paravirtualization

full virtualization

emulation

none of the mentioned

at the ISa level, virtualization is performed by emulating a given ISa by the ISa of

Virtual machine

Host machine

Guest OS

none of the mentioned

Hardware-level virtualization is performed right on top of which harware devices

processors

memory

I/O devices

all of the mentioned

vCUDa which allows applications executing within VMs to leverage GPU hardware acceleration is an exapmle for

hardware abstraction Level

Os-level Level

Library Support Level

User application Level

The most popular approach which is to deploy high level language (HLL)VMs.

hardware abstraction Level

Os-level Level

Library Support Level

User application Level

Virtulization can be implemeted in

hardware abstraction Level

Os-level Level

Library Support Level

all the mentioned

which virtualization implementation level has more application flexibility

hardware abstraction Level

Instrction set architecture level

Library Support Level

User application Level

which virtualization implementation level has more implementation complexity

hardware abstraction Level

Instrction set architecture level

Library Support Level

User application Level

which virtualization implementation level has higher performance

hardware abstraction Level

Instrction set architecture level

Library Support Level

User application Level

the basic concept of the vCUDa architecture consists of

thevCUDa library

a virtual GPU in the guest OS

vCUDa stub in the host OS

all the mentioned

noncritical instructions run on the hardware directly while critical instructions are discovered and replaced with traps into the VMM to be emulated by software in

Full Virtualization

para Virtualization

Host- based Virtualization

None

the type of Virtualization replaces nonvirtualizable instructions with hypercalls that communicate directly with the hypervisor or VMM

Full Virtualization

para Virtualization

Host- based Virtualization

None

In Para-Virtualization architecture ring-0 defines

paravirualized guest-os

host-os

user apps

virtialization layer

Which of the following type of virtualization is also characteristic of cloud computing?

Storage

application

CPU

all of the mentioned

In Para-Virtualization architecture ring-3 defines

paravirualized guest-os

host-os

user apps

virtialization layer

Ring 0 represents In Para-Virtualization architecture

level having most privilege

level having least privilege

None

Ring 3 represents In Para-Virtualization architecture

level having most privilege

level having least privilege

None

KVM (Kernel-Based VM) is a

Full Virtualized system

para Virtualized system

Host- based Virtualized system

None

hypervisor kernel provides the same functionality as other operating systems, such as process creation, file system management, and process scheduling. It is designed to specifically support multiple virtual machines and to provide core functionalities, such as resource scheduling, I/O stacks, etc.

Hypervisor Components - VMM

Hypervisor Components - Kernel

Resource Control - Share

vSphere Key Components

All cloud computing applications suffer from the inherent that is intrinsic in their WAN connectivity.

Propagation

Latency

Noise

All of the mentioned ANSWER: B

Which term best describes the ability to rapidly increase user accounts for a given cloud service?

Volatility

Synchronicity

Viability

Elasticity ANSWER: D

Your company runs a virtualized web application server in-house. You decide to make the web applications available over the Internet through a cloud provider. Which method represents the quickest way to accomplish this?

Create a new cloud server, install web services, and install and configure web applications.

Create a new cloud server, install web services, and import web application data.

Migrate your in-house web application server to the cloud.

This cannot be done — only generic applications are available through the cloud. ANSWER: C

Purchasing software and providing it to a third party that installs and manages that software is an example of which of the following?

Virtualization

Application service provider

Platform as a service

Private cloud ANSWER: B

You are the IT director for a retail clothing outlet. Your competitors are using Internet-delivered inventory, storage, and backup solutions from a specific provider. You conclude it is best that your company use the same services from the same provider. What type of cloud will you be subscribing to?

Community cloud

Retail cloud

Private cloud

Public cloud ANSWER: A

As a developer for a software company, you have decided to build and test your web applications in a cloud environment. Which type of cloud service best meets your needs?

PaaS

SaaS

IaaS

Xaas ANSWER: A

What cloud computing characteristic ensures services and data are always reachable?

Confidentiality

Integrity

Availability

Scalability ANSWER: C

You must ensure that your business computing resources can quickly grow as business demands change. Which of the following allows this?

Confidentiality

Integrity

Availability

Scalability ANSWER: D

Which of the following is most important area of concern in cloud computing ?

Security

Storage

Scalability

None ANSWER: A

Which of the following is one of the unique attribute of Cloud Computing ?

utility type of delivery

elasticity

low barrier to entry

all of the above ANSWER: D

Which of the following cloud concept is related to pooling and sharing of resources ?

Polymorphism

Virtualization

Abstraction

None of the mentioned ANSWER: B

Point out the wrong statement :

A cloud is defined as the combination of the infrastructure of a datacenter with the ability to provision hardware and software

High touch applications are best done on-premises

The Google App Engine follows IaaS

All of the above ANSWER: C

model consists of the particular types of services that you can access on a cloud computing platform.

Service

Deployment

Application

None of the mentioned ANSWER: A

refers to the location and management of the cloud’s infrastructure.

Service

Deployment

Application

None of the mentioned ANSWER: B

Which of the following is the deployment model?

public

private

hybrid

all of the mentioned

ANSWER: D

Point out the correct statement.

A deployment model defines the purpose of the cloud and the nature of how the cloud is located

Service model defines the purpose of the cloud and the nature of how the cloud is located

Cloud Square Model is meant to show is that the traditional notion of a network boundary being the network’s firewall no longer applies in cloud computing

All of the mentioned ANSWER: A

The cloud infrastructure is operated for the exclusive use of an organization.

Public

Private

Community

All of the mentioned ANSWER: B

provides virtual machines, virtual storage, virtual infrastructure, and other hardware assets.

IaaS

SaaS

PaaS

All of the mentioned ANSWER: A

Point out the wrong statement.

A PaaS service adds integration features, middleware, and other orchestration and choreography services to the IaaS model

XaaS or ‘anything as a service’ is the delivery of IT as a Service through hybrid Cloud computing

Monitoring as a Service (MaaS) is at present still an emerging piece of the Cloud jigsaw

None of the mentioned ANSWER: D

With cloud computing services, hardware purchases, software purchases, and IT support are the responsibility of whom?

Internet service provider

RraaS provider

SaaS provider

Application service provider ANSWER: C

When you add a software stack, such as an operating system and applications to the service, the model shifts to model.

SaaS

PaaS

IaaS

All of the mentioned ANSWER: A

Which of the following is most refined and restrictive service model ?

IaaS

CaaS

PaaS

All of the mentioned ANSWER: C

All cloud computing applications suffer from the inherent that is intrinsic in their WAN connectivity.

propagation

latency

noise

All of the mentioned ANSWER: B

Cloud computing is a system and it is necessarily unidirectional in nature.

stateless

stateful

reliable

None of the above ANSWER: A

Which of the following is best known service model ?

SaaS

IaaS

PaaS

All of the mentioned ANSWER: D

Which of the following is related to service provided by Cloud ?

Sourcing

Ownership

Reliability

AaaS ANSWER: A

is a complete operating environment with applications, management, and the user interface.

IaaS

SaaS

PaaS

All of the mentioned ANSWER: B

Which of the following cloud concept is related to pooling and sharing of resources ?

Polymorphism

Abstraction

Virtualization

None of the mentioned ANSWER: C

A Level Agreement (SLA) is the contract for performance negotiated between you and a service provider.

Service

Application

Deployment

All of the mentioned ANSWER: A

Which of the following is specified parameter of SLA ?

Response times

Responsibilities of each party

Warranties

All of the mentioned ANSWER: D

Which of the architectural layer is used as backend in cloud computing ?

client

cloud

soft

All of the mentioned ANSWER: B

A cloud requires virtualized storage to support the staging and storage of data.

soft

compute

local

None of the mentioned ANSWER: B

Point out the wrong statement :

Virtual appliances are becoming a very important standard cloud computing deployment object

Cloud computing requires some standard protocols

Cloud computing relies on a set of protocols needed to manage interprocess communications

None of the mentioned ANSWER: D

Which of the following is Cloud Platform by Amazon ?

Azure

AWS

Cloudera

All of the mentioned ANSWER: D

Cloud computing is an abstraction based on the notion of pooling physical resources and presenting them as a resource.

real

virtual

cloud

None of the mentioned ANSWER: B

Which of the following cloud concept is related to pooling and sharing of resources ?

Polymorphism

Abstraction

Virtualization

None of the mentioned ANSWER:C

Which of the following type of virtualization is also characteristic of cloud computing?

Storage

Application

CPU

All of the Above ANSWER: D

What facet of cloud computing helps to guard against downtime and determines costs?

Service-level agreements

Application programming interfaces

Virtual private networks

Bandwidth fees ANSWER: A

Cloud Services have a relationship with their customers.

Many-to-many

One-to-many

One-to-one

None of the Name ANSWER: B

What’s the most popular use case for public cloud computing today?

Test and development

Website hosting

Disaster recovery

Business analytics ANSWER: A

Virtual Machine Ware (VMware) is an example of

Infrastructure Service

Platform Service

Software Service

None of the above ANSWER: A

Geographic distribution of data across a cloud provider's network is a problem for many enterprises because it:

Makes data recovery harder

Adds latency

Raises security concerns

Breaks compliance regulations ANSWER: A

Amazon Web Services is which type of cloud computing distribution model?

Software as a Service

Platform as a Service

Infrastructure as a Service

Software software as a service ANSWER: C

Cloud computing networks are designed to support only private or hybrid clouds.

True

False ANSWER: B

A good cloud computing network can be adjusted to provide bandwidth on demand.

True

False ANSWER: A

A larger cloud network can be built as either a layer 3 or layer 4 network.

True

False ANSWER: B

The typical three-layer switching topology will not create latency within a cloud network.

True

False ANSWER: B

The term 'Cloud' in cloud-computing refers to .

The Internet

Cumulus Clouds

A Computer

Thin Clients ANSWER: A

allows different operating systems to run in their own memory space.

VVM

VMC

VMM

All of the mentioned ANSWER: C

as a Service is a cloud computing infrastructure that creates a development environment upon which applications may be build.

Infrastructure

Platform

Service

All of the mentioned ANSWER: B

Which of the following cloud concept is related to pooling and sharing of resources ?

Polymorphism

Abstraction

Virtualization

None of the mentioned ANSWER: C

Logical Network Perimeter can be implemented to

isolate IT resources in a cloud from non-authorized users

isolate IT resources in a cloud from non-users

isolate IT resources in a cloud from cloud consumers

all of the above Answer: D

A is a form of virtualization software that emaluates a physical server.

virtual server

physical server

hybrid server

none of the above Answer: A

Point out the wrong statement.

Abstraction enables the key benefit of cloud computing: shared, ubiquitous access

Virtualization assigns a logical name for a physical resource and then provides a pointer to that physical resource when a request is made

All cloud computing applications combine their resources into pools that can be assigned on demand to users

All of the mentioned ANSWER: C

Which of the following type of virtualization is also characteristic of cloud computing?

Storage

Application

CPU

All of the mentioned ANSWER: D

Point out the correct statement.

A client can request access to a cloud service from any location

A cloud has multiple application instances and directs requests to an instance based on conditions

Computers can be partitioned into a set of virtual machines with each machine being assigned a workload

All of the mentioned ANSWER: D

Which of the following network resources can be load balanced?

Connections through intelligent switches

DNS

Storage resources

All of the mentioned ANSWER: D

Which of the following type of virtualization is also characteristic of cloud computing ?

Storage

Application

CPU

All of the mentioned ANSWER: D

Point out the correct statement :

A client can request access to a cloud service from any location

A cloud has multiple application instances and directs requests to an instance based on conditions

Computers can be partitioned into a set of virtual machines with each machine being assigned a workload

All of the mentioned ANSWER: D

Which of the following is another name for system virtual machine ? A hardware virtual machine

software virtual machine

real machine

None of the mentioned ANSWER: A

A is a form of virtualization software that emaluates a physical server.

virtual server

physical server

hybrid server

none of the above ANSWER: A

The IT resource that isolates the network environment within the data center infrastructure is called:

Virtual Firewall

Virtual Network

Both of the mentioned

None of the mentioned ANSWER: B

A virtual server is a form of virtualization software that emulates:

Virtual network

Physical Server

IT Resource

None of the mentioned ANSWER: B

Which mechanism is used to replicate several instances of a virtual server, using a stored virtual server image.

Hyperviser

Virtualization

Cloud Auditor

None of the mentioned ANSWER: A

Internet works on

packet switching

circuit switching

both packet switching and circuit switching

data switching ANSWER: A

Which protocol assigns IP address to the client connected in the internet?

DHCP

IP

RPC

RSVP ANSWER: A

A is an extension of an enterprise’s private intranet across a public network such as the internet, creating a secure private connection.

VNP

VPN

VSN

VSPN ANSWER: B

Which of the following is false with respect to UDP?

Connection-oriented

Unreliable

Transport layer protocol

Low overhead ANSWER: A

What is the main advantage of UDP?

More overload

Reliable

Low overhead

Fast ANSWER: C

Which of the following is false with respect to TCP?

Connection-oriented

Process-to-process

Transport layer protocol

Unreliable ANSWER: D

In TCP, sending and receiving data is done as

Stream of bytes

Sequence of characters

Lines of data

Packets

ANSWER: A

The physical layer is concerned with

bit-by-bit delivery

process to process delivery

application to application delivery

port to port delivery ANSWER: A

The data link layer takes the packets from and encapsulates them into frames for transmission.

network layer

physical layer

transport layer

application layer ANSWER: A

The network layer is concerned with of data.

bits

frames

packets

bytes ANSWER: C

Transport layer aggregates data from different applications into a single stream before passing it to

network layer

data link layer

application layer

physical layer ANSWER: A

Which of the following are transport layer protocols used in networking?

TCP and FTP

UDP and HTTP

TCP and UDP

HTTP and FTP ANSWER: C

This is a repository for the storage, management, and dissemination of data in which the mechanical, lighting, electrical and computer systems are designed for maximum energy efficiency and minimum environmental impact.

Storage lab

Data Center

Data warehouse

Fabric ANSWER: B

Which three statements describe differences between Storage Area Network (SAN) and Network Attached Storage (NAS) solutions? Choose three.

SAN is generally more expensive but provides higher performance

NAS uses TCP/IP for communication between hosts and the NAS server

NAS requires additional hardware on a host: a host bus adapter for connectivity

SAN uses proprietary protocols for communication between hosts and the SAN fabric

i,ii, iii

i, ii, iv

ii, iii, iv

i, ii, iii ANSWER: B

Resource is defined as the creation of multiple instances of the same IT resource.

Management

Provisioning

Replication

Allocation ANSWER: C

A virtual server is a form of virtualization software that emulates:

Virtual network

Physical Server

IT Resource

None of the mentioned ANSWER: B

Which mechanism is used to replicate several instances of a virtual server, using a stored virtual server image.

Hyperviser

Virtualization

Cloud Auditor

None of the mentioned ANSWER: A

Which of the following type of virtualization is also characteristic of cloud computing?

Storage

Application

CPU

All of the mentioned ANSWER: D

An IT resource that actively filters network traffic to and from the isolated network while controlling its interactions with the Internet.

Virtual Firewall

Virtual Network

Both of the mentioned

None of the mentioned ANSWER: A

Point out the correct statement.

A virtual machine is a computer that is walled off from the physical computer that the virtual machine

is running on

Virtual machines provide the capability of running multiple machine instances, each with their own operating system

The downside of virtual machine technologies is that having resources indirectly addressed means there is some level of overhead

All of the mentioned ANSWER: D

What is the full form of "FTP"?

File Tranmitting Protocol

File Transfer Protocol

Fast Transfer Protocol

Fast Transmitting Project ANSWER: B

What is the full form of "HTTP"?

High Transfer Terra Page

Higher Transfer Technology Protocol

Hypertext Transfer Protocol

Hive Type Terminal Protocol

What is the full form of "ISP"?

Internet Service Provider

Internal Service Processor

International Server Provider

Internet System Processor ANSWER: A

What is the full form of "OSI"?

Organisational Server Interface

Open Server Interconnection

Operating System Interface

Open System Interconnection ANSWER: D

What is the full form of "SMTP"?

Structured Mail Transfer Protocol

Simple Mail Transmitting Protocol

Simple Mail Transfer Protocol

Server Mail Transfer Protocol ANSWER: C

In SAN storage model, the operating system view storage resources as —— devices

FC

SCSI

SAN

None of the mentioned ANSWER: B



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**Started on** Friday, 27 March 2020, 12:04 PM **State** Finished

**Completed on** Friday, 27 March 2020, 12:34 PM **Time taken** 30 mins

**Marks** 33.0/50.0

**Grade 3.3** out of 5.0 (**66**%)

Cluster is used to data partitioning and distribution so that target data sets can be efficiently partitioned without compromising data integrity.

Select one:

HA cluster

Large Data set Cluster 

Load balanced Cluster

Server Cluster

The correct answer is: Large Data set Cluster

Cluster specializes in distributing workloads among cluster nodes to increse IT resource capaacity, while preserving the centralization of IT resource management.

Select one:

Large Data set Cluster

Load balanced Cluster 

Server Cluster

HA cluster

The correct answer is: Load balanced Cluster

maintains a system availability in the event of multiple node failures.

Select one:

Server Cluster

Load balanced Cluster

HA cluster 

Large Data set Cluster

The correct answer is: HA cluster

Question **3**

Correct

Mark 1.0 out of 1.0

Question **2**

Correct

Mark 1.0 out of 1.0

Question **1**

Correct

Mark 1.0 out of 1.0

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Large Data set Cluster

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Select one:

Server Cluster

Load balanced Cluster

HA cluster 

Large Data set Cluster

The correct answer is: HA cluster

Question **3**

Correct

Mark 1.0 out of 1.0

Question **2**

Correct

Mark 1.0 out of 1.0

Question **1**

Correct

Mark 1.0 out of 1.0













is a complete operating environment with applications,

Question **4**

Correct

Mark 1.0 out of 1.0

 management, and the user interface.

Select one:



a. IaaS

 b. PaaS

SaaS 



All of the mentioned



 The correct answer is: SaaS



Question **5**

Correct

Mark 1.0 out of 1.0

mechanism is used to generate virtual server instances

 of a physical server.

 Select one:

Load Balancer

Hypervisor 

Resource Cluster

VM Ware

The correct answer is: Hypervisor

can create and manage multiple instances of a hypervisor across different physical servers or allocate a virtual server on one physical server.

Question **6**

Incorrect

Mark 0.0 out of 1.0

Select one:

Virtual machnine

Virtual server 

VIM

Resource managment system

The correct answer is: VIM

transforms the communication protocols used by mobile devices into protocols that are compatible with a cloud service.

Question **7**

Incorrect

Mark 0.0 out of 1.0

Select one:

Cloud Storage Gateway

Mobile Device Gateway

XML Gateway 

HTTP Gateway

The correct answer is: Mobile Device Gateway

ia a general purpose portal that

Question **8**

Correct

Mark 1.0 out of 1.0

 centralizes management controls to different cloud-based IT resources.

 Select one:

 a. On-Premise IT Resource Portal

b. Custom IT Resource Management Portal

 c. Usage and Administration Portal 

d. Self-Service Portal



 The correct answer is: Usage and Administration Portal



Question **9**

Correct

Mark 1.0 out of 1.0

 mechanism is used to group multiple IT resource instances so that they can be operated as single IT resource.



Select one:

Resource Cluster 

Hypervisor

Resource Replication

Multi Tenant

The correct answer is: Resource Cluster

A cloud requires virtualized storage to support the staging and storage of data.

Question **10**

Correct

Mark 1.0 out of 1.0

Select one:

compute 

None of the mentioned

local

soft

The correct answer is: compute

A is the core of the resource management system that coordinatesthe server hardware so that virtual server instances can be created from the underlying physical server.

Question **11**

Incorrect

Mark 0.0 out of 1.0

Select one:

virtual server

virtual infrastructure manager

resource management system 

physical server

The correct answer is: virtual infrastructure manager

A monitoring agent that collects tracking data for networks and

Question **12**

Incorrect

Mark 0.0 out of 1.0

 IT resources is Called?

Select one:



a. Pay-per use Monitor 

 b. Automated Scaling Listener

Load balancer



Audit Monitor



 The correct answer is: Audit Monitor



Question **13**

Incorrect

Mark 0.0 out of 1.0

A pay-per-use monitor designed as a

 that transparently intercepts and analyzes runtime communication with a cloud service.



Select one:

Resource Agent

Service Agent 

Monitoring Agent

Resource Auditor

The correct answer is: Monitoring Agent

A pay-per-use monitor implemented as a

Question **14**

Correct

Mark 1.0 out of 1.0

used to determine the usage period of a virtual server.

Select one:

Resource Broker

Resource Agent 

Resource Auditor

Resource Admin

The correct answer is: Resource Agent

A resource management system consist of. Select one:

Question **15**

Incorrect

Mark 0.0 out of 1.0

self-service portal 

None of the above

VIM platform and VIM image repository

usage and administration portal

The correct answer is: VIM platform and VIM image repository

A state management database is a?

Question **16**

Correct

Mark 1.0 out of 1.0

 Select one:

 a. Network Device

b. Router

 c. Software Program

 d. Storage Device 

 The correct answer is: Storage Device



Question **17**

Correct

Mark 1.0 out of 1.0

 Above layer a hypervisor is installed.

 Select one:

a. Network Layer

 b. Transport Layer

Application Layer

Physical Layer 

The correct answer is: Physical Layer

All cloud computing applications suffer from the inherent

Question **18**

Incorrect

Mark 0.0 out of 1.0

that is intrinsic in their WAN connectivity.

Select one:

propagation

noise 

latency

All of the mentioned

The correct answer is: latency

An service level agreement management system mechanism encompassing an and .

Question **19**

Incorrect

Mark 0.0 out of 1.0

Select one:

usage and administration portal 

SLA manager and QoS measurement repository

pricing and contract manager

VIM platform and VIM image repository

The correct answer is: SLA manager and QoS measurement repository

Database clusters are designed to improve .

Question **20**

Incorrect

Mark 0.0 out of 1.0

 Select one:

 a. Auditing

b. All of the above 

 c. Data Availability

 d. Redundancy

 The correct answer is: Data Availability



Question **21**

Correct

Mark 1.0 out of 1.0

 Failover System can be defined as?

 Select one:

a. None of the mentioned

 b. A resource agent that monitors and keeps track of the runtime performance of cloud services.

A system to increase the reliability and availability of IT resources by using established clustering technology to provide redundant implementations 

The Failure of the system

The correct answer is: A system to increase the reliability and availability of IT resources by using established clustering technology to provide redundant implementations

Failover System include?

Question **22**

Correct

Mark 1.0 out of 1.0

Select one:

None of the mentioned

Only Active-Active

Both the mentioned 

Only Active-Passive

The correct answer is: Both the mentioned

Hypervisor software provides features. Select one:

Question **23**

Correct

Mark 1.0 out of 1.0

All of the above 

Scheduling

Controlling

Sharing

The correct answer is: All of the above

In remote administration system, the task of planning and

Question **24**

Incorrect

Mark 0.0 out of 1.0

 assessing IT resource provisioning is performed by?

Select one:



a. Cloud Auditor

 b. Cloud Provider 

Cloud Consumer



Cloud Broker



 The correct answer is: Cloud Consumer



Question **25**

Correct

Mark 1.0 out of 1.0

Load Balanced cluster usually implements a load balanced

 mechanism ?

 Select one:

Both A and B 

Setup as a seperate IT Resource.

None of the above

Either embedded within the cluster management platform

The correct answer is: Both A and B

Resource Cluster architectures rely on? Select one:

Question **26**

Correct

Mark 1.0 out of 1.0

High Speed Network Connection

All of the above

Hypervisor

High Speed dedicated Network Connection 

The correct answer is: High Speed dedicated Network Connection

Storage management database is used to make software programs more?

Question **27**

Correct

Mark 1.0 out of 1.0

Select one:

available

secure

scalable 

reliable

The correct answer is: scalable

The mechanism measures cloud-

Question **28**

Correct

Mark 1.0 out of 1.0

 based IT resource usage in accordance with predefined pricing parameters and generates usage logs for fee calculations and

billing purposes.



Select one:

 a. SLA Monitor

 b. Pay-Per-Use Monitor 

c. Automated Scaling Listener

 d. Audit Monitor



The correct answer is: Pay-Per-Use Monitor





Question **29**

Incorrect

Mark 0.0 out of 1.0

The billing management system uses this information to identify

 the range of usage fees that are applicable to each usage event. This particular information is termed as:

Select one:

Resource Usage Category

Cloud Consumer Subscription Type 

Bandwidth Consumption

Resource Usage Quota Consumption

The correct answer is: Resource Usage Category

The cloud management mechanism? Select one:

Question **30**

Incorrect

Mark 0.0 out of 1.0

Billing Management System

Resource Management System 

Remote Administration System

All of the above

The correct answer is: All of the above

The data collected by the SLA monitor is processed by an

Question **31**

Correct

Mark 1.0 out of 1.0

to be aggregated into SLA reporting metrics.

Select one:

SLA administration system

SLA failure system

SLA auditing system

SLA management system 

The correct answer is: SLA management system

The implementation mecahnism used in the failoversystems

Question **32**

Correct

Mark 1.0 out of 1.0

 are?

Select one:



a. Cloud Auditor

 b. Hypervoiser

 SLA Monitor



Resource replication 



 The correct answer is: Resource replication



Question **33**

Incorrect

Mark 0.0 out of 1.0

The information that is used to identify the type of pricing model

 for usage fee calaculations, including pre-paid subscription with usage quota, post-paid subscription with maximum usage

 quota is termed as.

Select one:

Bandwidth Consumption

Resource Usage Quota Consumption 

Resource Usage Category

Cloud Consumer Subscription Type

The correct answer is: Cloud Consumer Subscription Type

The mechanism that rely on the resource replication mechanism to supply the redundant IT resource instances is called?

Question **34**

Correct

Mark 1.0 out of 1.0

Select one:

Load balancer

Resource Cluster

Failover systems 

Hypervisor

The correct answer is: Failover systems

The metrics monitored for individual cloud services are aligned with the SLA gurantees in corresponding cloud provisioning contracts through .

Question **35**

Correct

Mark 1.0 out of 1.0

Select one:

All

Remote Administration System

Resource Management System

SLA Management system 

The correct answer is: SLA Management system

The monitoring agent that intercepts login requests and stores

Question **36**

Incorrect

Mark 0.0 out of 1.0

 the requestors security credentials, as well as both failed attempts in a log database for future audit reporting purposes.

 Select one:

 a. SLA Monitor

b. Pay-per-use monitor

 c. Audit Monitor

d. Cloud Usage Monitor 



 The correct answer is: Audit Monitor



Question **37**

Correct

Mark 1.0 out of 1.0

 The physical server polling has consecutively timed out three times, this generated event is termed as.



Select one:

PS\_Timeout

PS\_Reachable

PS\_Unreachable 

VM\_Unreachable

The correct answer is: PS\_Unreachable

The previously unavailable physical server becomes responsive to polling again, this generated event is termed as.

Question **38**

Incorrect

Mark 0.0 out of 1.0

Select one:

VM\_Unreachable 

PS\_Reachable

PS\_Timeout

VM\_Reachable

The correct answer is: PS\_Reachable

The primary types of portal created with remote administration system is/are?

Question **39**

Incorrect

Mark 0.0 out of 1.0

Select one:

Both A and B 

None of the above

usage and administration portal

self-service portal

The correct answer is: None of the above

The resource management system mechanism helps

Question **40**

Correct

Mark 1.0 out of 1.0

 cocordinate IT resources in response to management actions performed by both?

 Select one:

 a. none of the above

b. cloud consumers and cloud providers 

 c. cloud consumers and cloud services

d. all of the above



 The correct answer is: cloud consumers and cloud providers



Question **41**

Correct

Mark 1.0 out of 1.0

 The self service portal in remote administration system is used by to search cloud services.



Select one:

Cloud Consumer 

Cloud Owner

Cloud Provider

Cloud Broker

The correct answer is: Cloud Consumer

The self service portal in remote administration system is used by to search cloud services.

Question **42**

Correct

Mark 1.0 out of 1.0

Select one:

Cloud Owner

Cloud Consumer 

Cloud Provider

Cloud Broker

The correct answer is: Cloud Consumer

The SLA monitor polls the cloud service that sends? Select one:

Question **43**

Correct

Mark 1.0 out of 1.0

both of the above

Polling response messages

polling request messages 

none of the above

The correct answer is: polling request messages

The Specialized cloud mechanism used to intercept the

Question **44**

Incorrect

Mark 0.0 out of 1.0

 response message and stores the entire collected login event details in the log database?

 Select one:

 a. SLA Monitor

b. Audit Monitor 

 c. Cloud Usage Monitor

d. Pay-per-use monitor



 The correct answer is: SLA Monitor



Question **45**

Correct

Mark 1.0 out of 1.0

 The task performed by cloud consumers via a remote administration console is/are?



Select one:

monitoring cloud service status

All of the above 

capacity planning

managing leasing costs

The correct answer is: All of the above

The tools and APIs provided by remote administration system are used by?

Question **46**

Correct

Mark 1.0 out of 1.0

Select one:

Both cloud provider and cloud consumer

Cloud Provider 

Cloud Consumer

None of the above

The correct answer is: Cloud Provider

The tools and user interfaces for external cloud resource admininstrators to configure and asminister cloud based IT resources is provided by?

Question **47**

Correct

Mark 1.0 out of 1.0

Select one:

Resource Management System

Remote Administration System 

Billing Management System

SLA Management System

The correct answer is: Remote Administration System





When usage contracts define IT resource usage quotas, usage event conditions are typically supplemented with quota consumption and updated quota limits. This type of consumption is termed as:

Select one:

Bandwidth Consumption

Resource Usage Category

Cloud Consumer Subscription Type

Resource Usage Quota Consumption 

The correct answer is: Resource Usage Quota Consumption

Which of the architectural layer is used as backend in cloud computing ?

Select one:

client

All of the mentioned

soft

cloud 

The correct answer is: cloud

Which of the following is specified parameter of SLA ?

Select one:

Warranties

Responsibilities of each party

All of the mentioned 

Response times

The correct answer is: All of the mentioned

Question **50**

Correct

Mark 1.0 out of 1.0

Question **49**

Correct

Mark 1.0 out of 1.0

Question **48**

Correct

Mark 1.0 out of 1.0

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Stay in touch  

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**Virtualization and Cloud Computing** Course Code: **BTCS15F6200** Semester: **V**I

# Question Bank UNIT:1

**Introduction to Cloud Computing**

Which of the following was one of the top 5 cloud applications in 2010?

Cloud backup

Web applications

Business applications

**All of the mentioned**

Point out the correct statement.

Google’s cloud includes perhaps some 10 data centers worldwide

Flipkart.com’s infrastructure was built to support elastic demand so the system could accommodate peak traffic

**Data centers have been sited to optimize the overall system latency**

All of the mentioned

Which of the following benefit is related to creates resources that are pooled together in a system that supports multi-tenant usage?

**On-demand self-service**

Broad network access

Resource pooling

All of the mentioned

The is something that you can obtain under contract from your vendor.

PoS

**QoS**

SoS

All of the mentioned

Point out the wrong statement.

**Internet consumes roughly 1 percent of the world’s total power**

The cost advantages of cloud computing have enabled new software vendors to create productivity applications

A client can provision computer resources without the need for interaction with cloud service provider personnel

None of the mentioned

All cloud computing applications suffer from the inherent that is intrinsic in their WAN connectivity.

Propagation

**Latency**

Noise

All of the mentioned

Which term best describes the ability to rapidly increase user accounts for a given cloud service?

Volatility

Synchronicity

Viability

**Elasticity**

Your company runs a virtualized web application server in-house,You decide to make the web applications available over the Internet through a cloud provider,Which method represents the quickest way to accomplish this?

Create a new cloud server, install web services,and install and configure web applications.

Create a new cloud server, install web services,and import web application data.

**Migrate your in-house web application server to the cloud.**

This cannot be done — only generic applications are available through the cloud.

Purchasing software and providing it to a third party that installs and manages that software is an example of which of the following?

Virtualization

**Application service provider**

Platform as a service

Private cloud

You are the IT director for a retail clothing outlet,Your competitors are using Internet- delivered inventory storage and backup solutions from a specific provider,You conclude it is best that your company use the same services from the same provider,What type of cloud will you be subscribing to?

**Community cloud**

Retail cloud

Private cloud

Public cloud

As a developer for a software company, you have decided to build and test your web applications in a cloud environment,Which type of cloud service best meets your needs?

**PaaS**

SaaS

IaaS

Xaas

What cloud computing characteristic ensures services and data are always reachable?

Confidentiality

Integrity

**Availability**

Scalability

You must ensure that your business computing resources can quickly grow as business demands change,Which of the following allows this?

Confidentiality

Integrity

Availability

**Scalability**

Which of the following is most important area of concern in cloud computing ?

**Security**

Storage

Scalability

None

Which of the following is one of the unique attribute of Cloud Computing ?

utility type of delivery

elasticity

low barrier to entry

**all of the above**

Which of the following cloud concept is related to pooling and sharing of resources ?

Polymorphism

**Virtualization**

Abstraction

None of the mentioned 17.Point out the wrong statement

A cloud is defined as the combination of the infrastructure of a datacenter with the ability to provision hardware and software

High touch applications are best done on-premises

**The Google App Engine follows IaaS**

All of the above

The model consists of the particular types of services that you can access on a cloud computing platform.

**Service**

Deployment

Application

None of the mentioned

The refers to the location and management of the cloud infrastructure.

Service

**Deployment**

Application

None of the mentioned

Which of the following is the deployment model?

public

private

hybrid

**all of the mentioned**

Point out the correct statement.

**A deployment model defines the purpose of the cloud and the nature of how the cloud is located**

Service model defines the purpose of the cloud and the nature of how the cloud is located

Cloud Square Model is meant to show is that the traditional notion of a network boundary being the network firewall no longer applies in cloud computing

All of the mentioned

The cloud infrastructure is operated for the exclusive use of an organization.

Public

**Private**

Community

All of the mentioned

Which provides virtual machines, virtual storage, virtual infrastructure, and other hardware assets.

**IaaS**

SaaS

PaaS

All of the mentioned

Point out the wrong statement.

A PaaS service adds integration features, middleware, and other orchestration and choreography services to the IaaS model

XaaS or anything as a service is the delivery of IT as a Service through hybrid Cloud computing

Monitoring as a Service (MaaS) is at present still an emerging piece of the Cloud jigsaw

**None of the mentioned**

With cloud computing services, hardware purchases, software purchases, and IT support are the responsibility of whom?

Internet service provider

PaaS provider

**SaaS provider**

Application service provider

When you add a software stack, such as an operating system and applications to the service,the model shifts to model.

**SaaS**

PaaS

IaaS

All of the mentioned

Which of the following is most refined and restrictive service model ?

IaaS

CaaS

**PaaS**

All of the mentioned

All cloud computing applications suffer from the inherent that is intrinsic in their WAN connectivity.

propagation

**latency**

noise

All of the mentioned

Cloud computing is a system and it is necessarily unidirectional in nature.

**stateless**

stateful

reliable

None of the above

Which of the following is best known service model ?

SaaS

IaaS

PaaS

**All of the mentioned**

Which of the following is related to service provided by Cloud ?

**Sourcing**

Ownership

Reliability

AaaS

Which is a complete operating environment with applications, management and the user interface.

IaaS

**SaaS**

PaaS

All of the mentioned

Which of the following cloud concept is related to pooling and sharing of resources ?

Polymorphism

Abstraction

**Virtualization**

None of the mentioned

The contract for performance negotiated between user and a service provider is called

Level Agreement.

**Service**

Application

Deployment

All of the mentioned

Which of the following is specified parameter of SLA ?

Response times

Responsibilities of each party

Warranties

**All of the mentioned**

Which of the architectural layer is used as backend in cloud computing ?

client

**cloud**

soft

All of the mentioned

which one is a cloud requires virtualized storage to support the staging and storage of data.

soft

**compute**

local

None of the mentioned 38.Point out the wrong statement

Virtual appliances are becoming a very important standard cloud computing deployment object

Cloud computing requires some standard protocols

Cloud computing relies on a set of protocols needed to manage interprocess communications

**None of the mentioned**

Which of the following is Cloud Platform by Amazon ?

Azure

AWS

Cloudera

**All of the mentioned**

Cloud computing is an abstraction based on the notion of pooling physical resources and presenting them as a resource.

real

**virtual**

cloud

None of the mentioned

Which of the following cloud concept is related to pooling and sharing of resources?

Polymorphism

Abstraction

**Virtualization**

None of the mentioned

Which of the following type of virtualization is also characteristic of cloud computing?

Storage

Application

CPU

**All of the Above**

What facet of cloud computing helps to guard against downtime and determines costs?

**Service-level agreements**

Application programming interfaces

Virtual private networks

Bandwidth fees

Cloud Services have a relationship with their customers.

Many-to-many

**One-to-many**

One-to-one

None of the Name

What is the most popular use case for public cloud computing today?

**Test and development**

Website hosting

Disaster recovery

Business analytics

Virtual Machine Ware (VMware) is an example of

**Infrastructure Service**

Platform Service

Software Service

None of the above

Geographic distribution of data across a cloud provider's network is a problem for many enterprises because it

**Makes data recovery harder**

Adds latency

Raises security concerns

Breaks compliance regulations

Amazon Web Services is which type of cloud computing distribution model?

Software as a Service

Platform as a Service

**Infrastructure as a Service**

Software software as a service

Cloud computing networks are designed to support only private or hybrid clouds.

True

**False**

50.A good cloud computing network can be adjusted to provide bandwidth on demand.

**True**

False

51.A larger cloud network can be built as either a layer 3 or layer 4 network.

True

**False**

The typical three-layer switching topology will not create latency within a cloud network.

True

**False**

The term Cloud in cloud-computing refers to .

**The Internet**

Cumulus Clouds

A Computer

Thin Clients

which one is allows different operating systems to run in their own memory space.

VVM

VMC

**VMM**

All of the mentioned

Which service is a cloud computing infrastructure that creates a development environment upon which applications may be build.

Infrastructure

**Platform**

Service

All of the mentioned

Which of the following cloud concept is related to pooling and sharing of resources?

Polymorphism

Abstraction

**Virtualization**

None of the mentioned

Logical Network Perimeter can be implemented to

isolate IT resources in a cloud from non-authorized users

isolate IT resources in a cloud from non-users

isolate IT resources in a cloud from cloud consumers

**all of the above**

Form of virtualization software that emaluates a physical server.

**virtual server**

physical server

hybrid server

none of the above

Point out the wrong statement.

Abstraction enables the key benefit of cloud computing: shared, ubiquitous access

Virtualization assigns a logical name for a physical resource and then provides a pointer to that physical resource when a request is made

**All cloud computing applications combine their resources into pools that can be assigned on demand to users**

All of the mentioned

Which of the following type of virtualization is also characteristic of cloud computing?

Storage

Application

CPU

**All of the mentioned**

Point out the correct statement

A client can request access to a cloud service from any location

A cloud has multiple application instances and directs requests to an instance based on conditions

Computers can be partitioned into a set of virtual machines with each machine being assigned a workload

**All of the mentioned**

Which of the following network resources can be load balanced?

Connections through intelligent switches

DNS

Storage resources

**All of the mentioned**

Which of the following type of virtualization is also characteristic of cloud computing?

Storage

Application

CPU

**All of the mentioned**

Point out the correct statement

A client can request access to a cloud service from any location

A cloud has multiple application instances and directs requests to an instance based on conditions

Computers can be partitioned into a set of virtual machines with each machine being assigned a workload

**All of the mentioned**

Which of the following is another name for system virtual machine?

**hardware virtual machine**

software virtual machine

real machine

None of the mentioned

**UNIT:2**

**Cloud Computing Technologies & Cloud Infrastructure Mechanisms**

1 .A service provider gets the same benefits from a compostable system that a user does.

CaaS

AaaS

**PaaS**

All of the mentioned

is a paradigm of distributed computing to provide the customers on- demand, utility based computing service.

Remote Sensing

Remote Invocation

**Cloud Computing**

Private Computing

Cloud providers provide cloud services to the cloud users.

**True**

False

Which of the following is not a cloud stakeholder?

Cloud providers

**Clients**

End users

Cloud users

These cloud services are of the form of utility computing i.e. the uses these services pay-as-you-go model.

Cloud providers

Clients

End users

**Cloud user**

.Which of the following is not a type of cloud?

Private

Public

**Protected**

Hybrid

.In this type of cloud, an organization rents cloud services from cloud providers on-demand basis.

Private

**Public**

Protected

Hybrid

8.In this type of cloud, the cloud is composed of multiple internal or external clouD)

Private

Public

Protected

**Hybrid**

9 . enables the migration of the virtual image from one physical machine to another.

visualization

**virtualization**

migration

virtual transfer

10.Most of the cloud architectures are built on this type of architecture.

skeleton

**grid**

linear

template 11.What is internet?

a single network

**a vast collection of different networks**

interconnection of local area networks

interconnection of wide area networks

To join the internet, the computer has to be connected to a

internet architecture board

internet society

**internet service provider**

different computer

Which of the following protocols is used in the internet?

HTTP

DHCP

DNS

**DNS, HTTP and DNS**

The size of an IP address in IPv6 is

32 bits

64 bits

**128 bits**

265 bits

Internet works on

**packet switching**

circuit switching

both packet switching and circuit switching

data switching

Which one of the following is not an application layer protocol used in internet?

remote procedure call

internet relay chat

**resource reservation protocol**

local procedure call

Which protocol assigns IP address to the client connected in the internet?

**DHCP**

IP

RPC

RSVP

Which one of the following is not used in media access control?

ethernet

digital subscriber line

fiber distributed data interface

**packet switching**

Saas stands for?

**Software as a service**

System Software and services

Software as a system

System as a service

All cloud computing applications suffer from the inherent that is intrinsic in their WAN connectivity.

propagation

**latency**

noise

all of the mentioned

Cloud computing is a system and it is necessarily unidirectional in nature.

**stateless**

stateful

reliable

all of the mentioned

Which of the following is the most important area of concern in cloud computing?

**Security**

Storage

Scalability

All of the mentioned

You can’t count on a cloud provider maintaining your in the face of government actions.

scalability

reliability

**privacy**

none of the mentioned

Which of the following architectural standards is working with cloud computing industry?

**Service-oriented architecture**

Standardized Web services

Web-application frameworks

All of the mentioned

Which type of IT resource can be virtualized ,Physical router and switches can be abstracted in to logical network .

Server

Storage **C)Network** D)Internet

Virtualization technology enables different virtual servers to share one physical server ,this process is called

**Resource Replication**

Hypervisor

Server consolidation

Hardware Independence

Markup language that define the API of a web service including its individual operation and each operation input and output message

WSDL

SOAP

**XML schema**

UDDI

An agent is a processing module that collects usage data by having event-driven interaction with specialized resource software

Monitoring Agent

**Resource Agent**

Polling agent

Active agent

Which interface that implement cloud storage Device mechanisms typically can be accesses via REST or web service based cloud service using http as the prime protocol.

Network Storage Interface

Database Storage Interface

Block Storage Interface

**Object storage Interface**

30.A is a form of virtualization software that emaluates a physical server.

**virtual server**

physical server

hybrid server

none of the above

The IT resource that isolates the network environment within the data center infrastructure is called:

Virtual Firewall

**Virtual Network**

Both of the mentioned

None of the mentioned

irtual server is a form of virtualization software that emulates:

Virtual network

**Physical Server**

IT Resource

None of the mentioned

Which mechanism is used to replicate several instances of a virtual server, using a stored virtual server image.

**Hyperviser**

Virtualization

Cloud Auditor

None of the mentioned 34.Saas stands for?

**Software as a service**

System Software and services

Software as a system

System as a service 35.Internet works on

**packet switching**

circuit switching

both packet switching and circuit switching

data switching

Which protocol assigns IP address to the client connected in the internet?

**DHCP**

IP

RPC

RSVP

An extension of an enterprise’s private intranet across a public network such as the internet, creating a secure private connection is called .

VNP

**VPN**

VSN

VSPN

Which of the following is false with respect to UDP?

**Connection-oriented**

Unreliable

Transport layer protocol

Low overhead

What is the main advantage of UDP?

More overload

Reliable

**Low overhead**

Fast

Which of the following is false with respect to TCP?

Connection-oriented

Process-to-process

Transport layer protocol

**Unreliable**

In TCP, sending and receiving data is done as

**Stream of bytes**

Sequence of characters

Lines of data

Packets

The physical layer is concerned with

**bit-by-bit delivery**

process to process delivery

application to application delivery

port to port delivery

The data link layer takes the packets from and encapsulates them into frames for transmission.

**network layer**

physical layer

transport layer

application layer

The network layer is concerned with of data.

bits

frames

**packets**

bytes

Transport layer aggregates data from different applications into a single stream before passing it to

**network layer**

data link layer

application layer

physical layer

Which of the following are transport layer protocols used in networking?

TCP and FTP

UDP and HTTP

**TCP and UDP**

HTTP and FTP

This is a repository for the storage, management, and dissemination of data in which the mechanical, lighting, electrical and computer systems are designed for maximum energy efficiency and minimum environmental impact.

Storage lab

**Data Center**

Data warehouse

Fabric

Resource is defined as the creation of multiple instances of the same IT resource.

Management

Provisioning

**Replication**

Allocation

irtual server is a form of virtualization software that emulates:

Virtual network

**Physical Server**

IT Resource

None of the mentioned

Which mechanism is used to replicate several instances of a virtual server, using a stored virtual server image.

**Hyperviser**

Virtualization

Cloud Auditor

None of the mentioned

Which of the following type of virtualization is also characteristic of cloud computing?

Storage

Application

CPU

**All of the mentioned**

An IT resource that actively filters network traffic to and from the isolated network while controlling its interactions with the Internet.

**Virtual Firewall**

Virtual Network

Both of the mentioned

None of the mentioned 53.Point out the correct statement.

A virtual machine is a computer that is walled off from the physical computer that the virtual machine is running on

Virtual machines provide the capability of running multiple machine instances, each with their own operating system

The downside of virtual machine technologies is that having resources indirectly addressed means there is some level of overhead

**All of the mentioned**

54.What is the full form of "FTP"?

File Tranmitting Protocol

**File Transfer Protocol**

Fast Transfer Protocol

Fast Transmitting Project 55.What is the full form of "HTTP"?

High Transfer Terra Page

Higher Transfer Technology Protocol

**Hypertext Transfer Protocol**

Hive Type Terminal Protocol 56.What is the full form of "ISP"?

**Internet Service Provider**

Internal Service Processor

International Server Provider

Internet System Processor 57.What is the full form of "OSI"?

Organisational Server Interface

Open Server Interconnection

Operating System Interface

**Open System Interconnection**

What is the full form of "SMTP"?

Structured Mail Transfer Protocol

Simple Mail Transmitting Protocol

**Simple Mail Transfer Protocol**

Server Mail Transfer Protocol

Storge area network storage model, the operating system view storage resources as devices

FC

**SCSI**

SAN

None of the mentioned

**UNIT:3**

**Specialized Cloud Mechanisms & Cloud Management Mechanisms**

The mechanism is used to specifically observe the runtime performance of cloud services to ensure that they are fulfilling the conteactual QoS requirements that are published in SLAs.

**SLA Monitor**

Load Balancer

Pay-Per-Use Monitor

Audit Monitor

The data collected by the SLA monitor is processed by an

to be aggregated into SLA reporting metrics.

SLA administration system

SLA failure system

**SLA management system**

SLA auditing system

The physical server polling has consecutively timed out three times, this generated event is termed as:

PS\_Timeout

**PS\_Unreachable**

PS\_Reachable

VM\_Unreachable

The previously unavailable physical server becomes responsive to polling again, this generated event is termed as:

**VM\_Reachable**

PS\_Timeout

PS\_Reachable

VM\_Unreachable

The mechanism measures cloud-based IT resource usage in accordance with predefined pricing parameters and generates usage logs for fee calculations and billing purposes.

Audit Monitor

SLA Monitor

Automated Scaling Listener

**Pay-Per-Use Monitor**

The information that is used to identify the type of pricing model for usage fee calaculations, including pre-paid subscription with usage quota, post-paid subscription with maximum usage quota is termed as:

Resource Usage Quota Consumption

Cloud Consumer Subscription Type

Resource Usage Category

Bandwidth Consumption

The billing management system uses this information to identify the range of usage fees that are applicable to each usage event. This particular information is termed as:

Resource Usage Quota Consumption

Cloud Consumer Subscription Type

Resource Usage Category

Bandwidth Consumption

When usage contracts define IT resource usage quotas, usage event conditions are typically supplemented with quota consumption and updated quota limits. This type of consumption is termed as:

Resource Usage Quota Consumption

Cloud Consumer Subscription Type

Resource Usage Category

Bandwidth Consumption

9.A pay-per-use monitor implemented as a used to determine the usage period of a virtual server.

Resource Auditor

Resource Broker

Resource Admin

**Resource Agent**

10.A pay-per-use monitor designed as a that transparently intercepts and analyzes runtime communication with a cloud service.

Resource Auditor

**Monitoring Agent**

Service Agent

Resource Agent

11.A monitoring agent that collects tracking data for networks and IT resources is Called

Load balancer

**Audit Monitor**

Automated Scaling Listener

Pay-per use Monitor

Which of the following are not Cloud management mechanisms

Remote Administration system

SLA Management System

Audit Monitor System

**Billing Management System**

Failover System can be defined as

**A system to increase the reliability and availability of IT resources by using established clustering technology to provide redundant implementations**

A resource agent that monitors and keeps track of the runtime performance of cloud services.

The Failure of the system

None of the mentioned 14.Failover System include

Only Active-Active

**Only Active-Passive**

None of the mentioned

Both the mentioned

The monitoring agent that intercepts login requests and stores the requestors security credentials, as well as both failed attempts in a log database for future audit reporting purposes.

Pay-per-use monitor

SLA Monitor

**Audit Monitor**

Cloud Usage Monitor

The mechanism that rely on the resource replication mechanism to supply the redundant IT resource instances is called

**Failover systems**

Hypervisor

Load balancer

Resource Cluster

The Specialized cloud mechanism used to intercept the response message and stores the entire collected login event details in the log database

Pay-per-use monitor

**Audit Monitor**

SLA Monitor

Cloud Usage Monitor

The implementation mecahnism used in the failoversystems are

Hypervoiser

**Resource replication**

SLA Monitor

Cloud Auditor

DAS-based: periodic synchronization can also be reffered as

SAN Based

NAS based

None of mentioned

WORM based

20.A state management database is a

Network Device

**Storage Device**

Software Program

Router

Storage management database is used to make software programs more

available

reliable

scalable

secure

The cloud management mechanism

Remote Administration System

Resource Management System

Billing Management System

**All of the above**

The tools and APIs provided by remote administration system are used by

**Cloud Provider**

Cloud Consumer

Both cloud provider and cloud consumer

None of the above

The tools and user interfaces for external cloud resource admininstrators to configure and asminister cloud based IT resources is provided by

SLA Management System

Resource Management System

Billing Management System

**Remote Administration System**

The task performed by cloud consumers via a remote administration console is/are

**monitoring cloud service status**

managing leasing costs

capacity planning

All of the above

The primary types of portal created with remote administration system is/are

**usage and administration portal**

self-service portal

Both A and B

None of the above

In remote administration system, the task of planning and assessing IT resource provisioning is performed by

Cloud Provider

**Cloud Consumer**

Cloud Broker

Cloud Auditor

The self service portal in remote administration system is used by to search cloud services.

Cloud Provider

**Cloud Consumer**

Cloud Owner

Cloud Broker

The resource management system mechanism helps cocordinate IT resources in response to management actions performed by both

cloud consumers and cloud services

**cloud consumers and cloud providers**

none of the above

all of the above

30.A is the core of the resource management system that coordinatesthe server hardware so that virtual server instances can be created from the underlying physical server.

virtual server

resource management system

**virtual infrastructure manager**

physical server

31.Which of the following is NOT the task of resource management system

managing virtual IT resources

allocating and releasing the virtual IT resources

monitoring QoS and SLA fulfillment

monitoring operational conditions of IT resources

32.A resource management system consist of .

VIM platform and VIM image repository

usage and administration portal

**self-service portal**

None of the above

An service level agreement management system mechanism encompassing an

and .

usage and administration portal

VIM platform and VIM image repository

pricing and contract manager

SLA manager and QoS measurement repository

Queries can be issued and reports can be generated for an externalcloud resource admjnistrator via .

**usage and administration portal**

pricing and contract manager

SLA manager and QoS measurement repository

None

The metrics monitored for individual cloud services are aligned with the SLA gurantees in corresponding cloud provisioning contracts through .

Remote Administration System

Resource Management System

**SLA Management system**

All

can create and manage multiple instances of a hypervisor across different physical servers or allocate a virtual server on one physical server

Resource managment system

Virtual machnine

**VIM**

Virtual server

The SLA monitor polls the cloud service that sends

**polling request messages**

Polling response messages

both of the above

none of the above

The self service portal in remote administration system is used by to search cloud services.

Cloud Provider

**Cloud Consumer**

Cloud Owner

Cloud Broker

mechanism is used to group multiple IT resource instances so that they can be operated as single IT resource.

Hypervisor

Multi Tenant

**Resource Cluster**

Resource Replication

40Above layer a hypervisor is installed.

Network Layer

Application Layer

**Physical Layer**

Transport Layer

mechanism is used to generate virtual server instances of a physical server.

Resource Cluster

**Hypervisor**

VM Ware

Load Balancer

Resource Cluster architectures rely on

High Speed Network Connection

**High Speed dedicated Network Connection**

Hypervisor

All of the above

Database clusters are designed to improve

**Data Availability**

Redundancy

Auditing

All of the above

Cluster specializes in distributing workloads among cluster nodes to increse IT resource capaacity, while preserving the centralization of IT resource management.

**Load balanced Cluster**

HA cluster

Large Data set Cluster

Server Cluster

Cluster is used to data partitioning and distribution so that target data sets can be efficiently partitioned without compromising data integrity.

Load balanced Cluster

HA cluster

**Large Data set Cluster**

Server Cluster

maintains a system availability in the event of multiple node failures.

Load balanced Cluster

**HA cluster**

Large Data set Cluster

Server Cluster

Hypervisor software provides features.

**Scheduling**

Sharing

Controlling

All of the above

Load Balanced cluster usually implements a load balanced mechanism

Either embedded within the cluster management platform

Setup as a seperate IT Resource.

**Both A and B**

None of the above

transforms the communication protocols used by mobile devices into protocols that are compatible with a cloud service.

**Mobile Device Gateway**

XML Gateway

Cloud Storage Gateway

HTTP Gateway

ia a general purpose portal that centralizes management controls to different cloud-based IT resources.

Self-Service Portal

**Usage and Administration Portal**

Custom IT Resource Management Portal

On-Premise IT Resource Portal

Unit:4

**Virtualization:**

1.An virtualization layer used for different user applications managed by their own operating systems (guest OS) can run on the same hardware, independent of the host OS is refereed as

**hypervisor**

virtual machine monitor

Both the mentioned

None

Which of the following is another name for the system virtual machine?

**hardware virtual machine**

software virtual machine

real machine

none of the mentioned

Which of the following provide system resource access to virtual machines?

**VMM**

VMC

VNM

all of the mentioned

Which of the following is Type 1 Hypervisor?

Wind River Simics

Virtual Server 2005 R2

KVM

**LynxSecure**

Which of the following type of virtualization is found in hypervisor such as Microsoft’s Hyper- V?

**paravirtualization**

full virtualization

emulation

none of the mentioned

In the virtual machine simulates hardware, so it can be independent of the underlying system hardware.

paravirtualization

full virtualization

**emulation**

none of the mentioned

Point out the wrong statement.

**Full virtualization requires that the host operating system provide a virtual machine interface for the guest operating system and that the guest access hardware through that host VM**

Guest operating systems in full virtualization systems are generally faster than other virtualization schemes

a process virtual machine instantiates when a command begins a process

all of the mentioned

In a scheme, the VM is installed as a Type 1 Hypervisor directly onto the hardware.

paravirtualization

**full virtualization**

emulation

none of the mentioned

at the ISa level, virtualization is performed by emulating a given ISa by the ISa of

Virtual machine

**Host machine**

Guest OS

none of the mentioned

Hardware-level virtualization is performed right on top of which harware devices

processors

memory

I/O devices

**all of the mentioned**

vCUDa which allows applications executing within VMs to leverage GPU hardware acceleration is an exapmle for

**hardware abstraction Level**

Os-level Level

Library Support Level

User application Level

The most popular approach which is to deploy high level language (HLL)VMs.

hardware abstraction Level

Os-level Level

Library Support Level

**User application Level**

Virtulization can be implemeted in

hardware abstraction Level

Os-level Level

Library Support Level

**all the mentioned**

which virtualization implementation level has more application flexibility

hardware abstraction Level

**Instrction set architecture level**

Library Support Level

User application Level

which virtualization implementation level has more implementation complexity

hardware abstraction Level

Instrction set architecture level

Library Support Level

**User application Level**

which virtualization implementation level has higher performance

**hardware abstraction Level**

Instrction set architecture level

Library Support Level

User application Level

the basic concept of the vCUDa architecture consists of

the vCUDa library

a virtual GPU in the guest OS

vCUDa stub in the host OS

**all the mentioned**

noncritical instructions run on the hardware directly while critical instructions are discovered and replaced with traps into the VMM to be emulated by software in

**Full Virtualization**

para Virtualization

Host- based Virtualization

None

the type of Virtualization replaces nonvirtualizable instructions with hypercalls that communicate directly with the hypervisor or VMM

Full Virtualization

**para Virtualization**

Host- based Virtualization

None

In Para-Virtualization architecture ring-0 defines

**para virualized guest-os**

host-os

user apps

virtialization layer

Which of the following type of virtualization is also characteristic of cloud computing?

Storage

application

CPU

**all of the mentioned**

In Para-Virtualization architecture ring-3 defines

para virualized guest-os

host-os

**user apps**

virtialization layer

Ring 0 represents In Para-Virtualization architecture

**level having most privilege**

level having least privilege

None

Ring 3 represents In Para-Virtualization architecture

level having most privilege

**level having least privilege**

None

KVM (Kernel-Based VM) is a

**Full Virtualized system**

para Virtualized system

Host- based Virtualized system

None

hypervisor kernel provides the same functionality as other operating systems, such as process creation, file system management, and process scheduling. It is designed to specifically support multiple virtual machines and to provide core functionalities, such as resource scheduling, I/O stacks, etc.

Hypervisor Components - VMM

**Hypervisor Components - Kernel**

Resource Control - Share

vSphere Key Components

A is a form of virtualization software that emaluates a physical server.

virtual server

physical server

hybrid server

none of the above ANSWER: A

The IT resource that isolates the network environment within the data center infrastructure is called:

Virtual Firewall

Virtual Network

Both of the mentioned

None of the mentioned ANSWER: B

A virtual server is a form of virtualization software that emulates:

Virtual network

Physical Server

IT Resource

None of the mentioned ANSWER: B

Which mechanism is used to replicate several instances of a virtual server, using a stored virtual server image.

Hyperviser

Virtualization

Cloud Auditor

None of the mentioned ANSWER: A

Internet works on

packet switching

circuit switching

both packet switching and circuit switching

data switching ANSWER: A

Which protocol assigns IP address to the client connected in the internet?

DHCP

IP

RPC

RSVP ANSWER: A

A is an extension of an enterprise’s private intranet across a public network such as the internet, creating a secure private connection.

VNP

VPN

VSN

VSPN ANSWER: B

Which of the following is false with respect to UDP?

Connection-oriented

Unreliable

Transport layer protocol

Low overhead ANSWER: A

What is the main advantage of UDP?

More overload

Reliable

Low overhead

Fast ANSWER: C

Which of the following is false with respect to TCP?

Connection-oriented

Process-to-process

Transport layer protocol

Unreliable ANSWER: D

In TCP, sending and receiving data is done as

Stream of bytes

Sequence of characters

Lines of data

Packets ANSWER: A

The physical layer is concerned with

bit-by-bit delivery

process to process delivery

application to application delivery

port to port delivery ANSWER: A

The data link layer takes the packets from and encapsulates them into frames for transmission.

network layer

physical layer

transport layer

application layer ANSWER: A

The network layer is concerned with of data.

bits

frames

packets

bytes ANSWER: C

Transport layer aggregates data from different applications into a single stream before passing it to

network layer

data link layer

application layer

physical layer ANSWER: A

Which of the following are transport layer protocols used in networking?

TCP and FTP

UDP and HTTP

TCP and UDP

HTTP and FTP ANSWER: C

This is a repository for the storage, management, and dissemination of data in which the mechanical, lighting, electrical and computer systems are designed for maximum energy efficiency and minimum environmental impact.

Storage lab

Data Center

Data warehouse

Fabric ANSWER: B

Which three statements describe differences between Storage Area Network (SAN) and Network Attached Storage (NAS) solutions? Choose three.

SAN is generally more expensive but provides higher performance

NAS uses TCP/IP for communication between hosts and the NAS server

NAS requires additional hardware on a host: a host bus adapter for connectivity

SAN uses proprietary protocols for communication between hosts and the SAN fabric

i,ii, iii

i, ii, iv

ii, iii, iv

i, ii, iii ANSWER: B

Resource is defined as the creation of multiple instances of the same IT resource.

Management

Provisioning

Replication

Allocation ANSWER: C

A virtual server is a form of virtualization software that emulates:

Virtual network

Physical Server

IT Resource

None of the mentioned ANSWER: B

Which mechanism is used to replicate several instances of a virtual server, using a stored virtual server image.

Hyperviser

Virtualization

Cloud Auditor

None of the mentioned ANSWER: A

Which of the following type of virtualization is also characteristic of cloud computing?

Storage

Application

CPU

All of the mentioned ANSWER: D

An IT resource that actively filters network traffic to and from the isolated network while controlling its interactions with the Internet.

Virtual Firewall

Virtual Network

Both of the mentioned

None of the mentioned ANSWER: A

Point out the correct statement.

A virtual machine is a computer that is walled off from the physical computer that the virtual machine

is running on

Virtual machines provide the capability of running multiple machine instances, each with their own operating system

The downside of virtual machine technologies is that having resources indirectly addressed means there is some level of overhead

All of the mentioned ANSWER: D

What is the full form of "FTP"?

File Tranmitting Protocol

File Transfer Protocol

Fast Transfer Protocol

Fast Transmitting Project ANSWER: B

What is the full form of "HTTP"?

High Transfer Terra Page

Higher Transfer Technology Protocol

Hypertext Transfer Protocol

Hive Type Terminal Protocol

What is the full form of "ISP"?

Internet Service Provider

Internal Service Processor

International Server Provider

Internet System Processor ANSWER: A

What is the full form of "OSI"?

Organisational Server Interface

Open Server Interconnection

Operating System Interface

Open System Interconnection ANSWER: D

What is the full form of "SMTP"?

Structured Mail Transfer Protocol

Simple Mail Transmitting Protocol

Simple Mail Transfer Protocol

Server Mail Transfer Protocol ANSWER: C

In SAN storage model, the operating system view storage resources as —— devices

FC

SCSI

SAN

None of the mentioned ANSWER: B

All cloud computing applications suffer from the inherent that is intrinsic in their WAN connectivity.

Propagation

Latency

Noise

All of the mentioned ANSWER: B

Which term best describes the ability to rapidly increase user accounts for a given cloud service?

Volatility

Synchronicity

Viability

Elasticity ANSWER: D

Your company runs a virtualized web application server in-house. You decide to make the web applications available over the Internet through a cloud provider. Which method represents the quickest way to accomplish this?

Create a new cloud server, install web services, and install and configure web applications.

Create a new cloud server, install web services, and import web application data.

Migrate your in-house web application server to the cloud.

This cannot be done — only generic applications are available through the cloud.

ANSWER: C

Purchasing software and providing it to a third party that installs and manages that software is an example of which of the following?

Virtualization

Application service provider

Platform as a service

Private cloud ANSWER: B

You are the IT director for a retail clothing outlet. Your competitors are using Internet-delivered inventory, storage, and backup solutions from a specific provider. You conclude it is best that your company use the same services from the same provider. What type of cloud will you be subscribing to?

Community cloud

Retail cloud

Private cloud

Public cloud ANSWER: A

As a developer for a software company, you have decided to build and test your web applications in a cloud environment. Which type of cloud service best meets your needs?

PaaS

SaaS

IaaS

Xaas ANSWER: A

What cloud computing characteristic ensures services and data are always reachable?

Confidentiality

Integrity

Availability

Scalability ANSWER: C

You must ensure that your business computing resources can quickly grow as business demands change. Which of the following allows this?

Confidentiality

Integrity

Availability

Scalability ANSWER: D

Which of the following is most important area of concern in cloud computing ?

Security

Storage

Scalability

None ANSWER: A

Which of the following is one of the unique attribute of Cloud Computing ?

utility type of delivery

elasticity

low barrier to entry

all of the above ANSWER: D

Which of the following cloud concept is related to pooling and sharing of resources ?

Polymorphism

Virtualization

Abstraction

None of the mentioned ANSWER: B

Point out the wrong statement :

A cloud is defined as the combination of the infrastructure of a datacenter with the ability to provision hardware and software

High touch applications are best done on-premises

The Google App Engine follows IaaS

All of the above ANSWER: C

----------- model consists of the particular types of services that you can access on a cloud computing platform.

Service

Deployment

Application

None of the mentioned ANSWER: A

----------- refers to the location and management of the cloud’s infrastructure.

Service

Deployment

Application

None of the mentioned ANSWER: B

Which of the following is the deployment model?

public

private

hybrid

all of the mentioned

ANSWER: D

Point out the correct statement.

A deployment model defines the purpose of the cloud and the nature of how the cloud is located

Service model defines the purpose of the cloud and the nature of how the cloud is located

Cloud Square Model is meant to show is that the traditional notion of a network boundary being the network’s firewall no longer applies in cloud computing

All of the mentioned ANSWER: A

The ------- cloud infrastructure is operated for the exclusive use of an organization.

Public

Private

Community

All of the mentioned ANSWER: B

----------- provides virtual machines, virtual storage, virtual infrastructure, and other hardware assets.

IaaS

SaaS

PaaS

All of the mentioned ANSWER: A

Point out the wrong statement.

A PaaS service adds integration features, middleware, and other orchestration and choreography services to the IaaS model

XaaS or ‘anything as a service’ is the delivery of IT as a Service through hybrid Cloud computing

Monitoring as a Service (MaaS) is at present still an emerging piece of the Cloud jigsaw

None of the mentioned ANSWER: D

With cloud computing services, hardware purchases, software purchases, and IT support are the responsibility of whom?

Internet service provider

RraaS provider

SaaS provider

Application service provider ANSWER: C

When you add a software stack, such as an operating system and applications to the service, the model shifts to model.

SaaS

PaaS

IaaS

All of the mentioned ANSWER: A

Which of the following is most refined and restrictive service model ?

IaaS

CaaS

PaaS

All of the mentioned ANSWER: C

All cloud computing applications suffer from the inherent that is intrinsic in

their WAN connectivity.

propagation

latency

noise

All of the mentioned ANSWER: B

Cloud computing is a system and it is necessarily unidirectional in nature.

stateless

stateful

reliable

None of the above ANSWER: A

Which of the following is best known service model ?

SaaS

IaaS

PaaS

All of the mentioned ANSWER: D

Which of the following is related to service provided by Cloud ?

Sourcing

Ownership

Reliability

AaaS ANSWER: A

----------- is a complete operating environment with applications, management, and the user interface.

IaaS

SaaS

PaaS

All of the mentioned ANSWER: B

Which of the following cloud concept is related to pooling and sharing of resources ?

Polymorphism

Abstraction

Virtualization

None of the mentioned ANSWER: C

A Level Agreement (SLA) is the contract for performance negotiated between you and a service provider.

Service

Application

Deployment

All of the mentioned ANSWER: A

Which of the following is specified parameter of SLA ?

Response times

Responsibilities of each party

Warranties

All of the mentioned ANSWER: D

Which of the architectural layer is used as backend in cloud computing ?

client

cloud

soft

All of the mentioned ANSWER: B

A--------- cloud requires virtualized storage to support the staging and storage of data.

soft

compute

local

None of the mentioned ANSWER: B

Point out the wrong statement :

Virtual appliances are becoming a very important standard cloud computing deployment object

Cloud computing requires some standard protocols

Cloud computing relies on a set of protocols needed to manage interprocess communications

None of the mentioned ANSWER: D

Which of the following is Cloud Platform by Amazon ?

Azure

AWS

Cloudera

All of the mentioned ANSWER: D

Cloud computing is an abstraction based on the notion of pooling physical resources and presenting them as a resource.

real

virtual

cloud

None of the mentioned ANSWER: B

Which of the following cloud concept is related to pooling and sharing of resources ?

Polymorphism

Abstraction

Virtualization

None of the mentioned ANSWER:C

Which of the following type of virtualization is also characteristic of cloud computing?

Storage

Application

CPU

All of the Above ANSWER: D

What facet of cloud computing helps to guard against downtime and determines costs?

Service-level agreements

Application programming interfaces

Virtual private networks

Bandwidth fees ANSWER: A

Cloud Services have a relationship with their customers.

Many-to-many

One-to-many

One-to-one

None of the Name ANSWER: B

What’s the most popular use case for public cloud computing today?

Test and development

Website hosting

Disaster recovery

Business analytics ANSWER: A

Virtual Machine Ware (VMware) is an example of

Infrastructure Service

Platform Service

Software Service

None of the above ANSWER: A

Geographic distribution of data across a cloud provider's network is a problem for many enterprises because it:

Makes data recovery harder

Adds latency

Raises security concerns

Breaks compliance regulations ANSWER: A

Amazon Web Services is which type of cloud computing distribution model?

Software as a Service

Platform as a Service

Infrastructure as a Service

Software software as a service ANSWER: C

Cloud computing networks are designed to support only private or hybrid clouds.

True

False ANSWER: B

A good cloud computing network can be adjusted to provide bandwidth on demand.

True

False ANSWER: A

A larger cloud network can be built as either a layer 3 or layer 4 network.

True

False ANSWER: B

The typical three-layer switching topology will not create latency within a cloud network.

True

False ANSWER: B

The term 'Cloud' in cloud-computing refers to .

The Internet

Cumulus Clouds

A Computer

Thin Clients ANSWER: A

------------allows different operating systems to run in their own memory space.

VVM

VMC

VMM

All of the mentioned ANSWER: C

----------- as a Service is a cloud computing infrastructure that creates a development environment upon which applications may be build.

Infrastructure

Platform

Service

All of the mentioned ANSWER: B

Which of the following cloud concept is related to pooling and sharing of resources ?

Polymorphism

Abstraction

Virtualization

None of the mentioned ANSWER: C

Logical Network Perimeter can be implemented to

isolate IT resources in a cloud from non-authorized users

isolate IT resources in a cloud from non-users

isolate IT resources in a cloud from cloud consumers

all of the above Answer: D

A -------- is a form of virtualization software that emaluates a physical server.

virtual server

physical server

hybrid server

none of the above Answer: A

Point out the wrong statement.

Abstraction enables the key benefit of cloud computing: shared, ubiquitous access

Virtualization assigns a logical name for a physical resource and then provides a pointer to that physical resource when a request is made

All cloud computing applications combine their resources into pools that can be assigned on demand to users

All of the mentioned ANSWER: C

Which of the following type of virtualization is also characteristic of cloud computing?

Storage

Application

CPU

All of the mentioned ANSWER: D

Point out the correct statement.

A client can request access to a cloud service from any location

A cloud has multiple application instances and directs requests to an instance based on conditions

Computers can be partitioned into a set of virtual machines with each machine being assigned a workload

All of the mentioned ANSWER: D

Which of the following network resources can be load balanced?

Connections through intelligent switches

DNS

Storage resources

All of the mentioned ANSWER: D

Which of the following type of virtualization is also characteristic of cloud computing ?

Storage

Application

CPU

All of the mentioned ANSWER: D

Point out the correct statement :

A client can request access to a cloud service from any location

A cloud has multiple application instances and directs requests to an instance based on conditions

Computers can be partitioned into a set of virtual machines with each machine being assigned a workload

All of the mentioned

ANSWER: D

Which of the following is another name for system virtual machine ? A hardware virtual machine

software virtual machine

real machine

None of the mentioned ANSWER: A

A is a form of virtualization software that emaluates a physical server.

virtual server

physical server

hybrid server

none of the above ANSWER: A

The IT resource that isolates the network environment within the data center infrastructure is called:

Virtual Firewall

Virtual Network

Both of the mentioned

None of the mentioned ANSWER: B

A virtual server is a form of virtualization software that emulates:

Virtual network

Physical Server

IT Resource

None of the mentioned ANSWER: B

Which mechanism is used to replicate several instances of a virtual server, using a stored virtual server image.

Hyperviser

Virtualization

Cloud Auditor

None of the mentioned ANSWER: A

Internet works on

packet switching

circuit switching

both packet switching and circuit switching

data switching ANSWER: A

Which protocol assigns IP address to the client connected in the internet?

DHCP

IP

RPC

RSVP ANSWER: A

A -------- is an extension of an enterprise’s private intranet across a public network such as the internet, creating a secure private connection.

VNP

VPN

VSN

VSPN ANSWER: B

Which of the following is false with respect to UDP?

Connection-oriented

Unreliable

Transport layer protocol

Low overhead ANSWER: A

What is the main advantage of UDP?

More overload

Reliable

Low overhead

Fast ANSWER: C

Which of the following is false with respect to TCP?

Connection-oriented

Process-to-process

Transport layer protocol

Unreliable ANSWER: D

In TCP, sending and receiving data is done as

Stream of bytes

Sequence of characters

Lines of data

Packets

ANSWER: A

The physical layer is concerned with

bit-by-bit delivery

process to process delivery

application to application delivery

port to port delivery ANSWER: A

The data link layer takes the packets from and encapsulates them into

frames for transmission.

network layer

physical layer

transport layer

application layer ANSWER: A

The network layer is concerned with of data.

bits

frames

packets

bytes ANSWER: C

Transport layer aggregates data from different applications into a single stream before passing it to

network layer

data link layer

application layer

physical layer ANSWER: A

Which of the following are transport layer protocols used in networking?

TCP and FTP

UDP and HTTP

TCP and UDP

HTTP and FTP ANSWER: C

This is a repository for the storage, management, and dissemination of data in which the mechanical, lighting, electrical and computer systems are designed for maximum energy efficiency and minimum environmental impact.

Storage lab

Data Center

Data warehouse

Fabric ANSWER: B

Which three statements describe differences between Storage Area Network (SAN) and Network Attached Storage (NAS) solutions? Choose three.

SAN is generally more expensive but provides higher performance

NAS uses TCP/IP for communication between hosts and the NAS server

NAS requires additional hardware on a host: a host bus adapter for connectivity

SAN uses proprietary protocols for communication between hosts and the SAN fabric

i,ii, iii

i, ii, iv

ii, iii, iv

i, ii, iii ANSWER: B

Resource is defined as the creation of multiple instances of the same IT resource.

Management

Provisioning

Replication

Allocation ANSWER: C

A virtual server is a form of virtualization software that emulates:

Virtual network

Physical Server

IT Resource

None of the mentioned ANSWER: B

Which mechanism is used to replicate several instances of a virtual server, using a stored virtual server image.

Hyperviser

Virtualization

Cloud Auditor

None of the mentioned ANSWER: A

Which of the following type of virtualization is also characteristic of cloud computing?

Storage

Application

CPU

All of the mentioned ANSWER: D

An IT resource that actively filters network traffic to and from the isolated network while controlling its interactions with the Internet.

Virtual Firewall

Virtual Network

Both of the mentioned

None of the mentioned ANSWER: A

Point out the correct statement.

A virtual machine is a computer that is walled off from the physical computer that the virtual machine is running on

Virtual machines provide the capability of running multiple machine instances, each with their own operating system

The downside of virtual machine technologies is that having resources indirectly addressed means there is some level of overhead

All of the mentioned ANSWER: D

What is the full form of "FTP"?

File Tranmitting Protocol

File Transfer Protocol

Fast Transfer Protocol

Fast Transmitting Project ANSWER: B

What is the full form of "HTTP"?

High Transfer Terra Page

Higher Transfer Technology Protocol

Hypertext Transfer Protocol

Hive Type Terminal Protocol ANSWER C

What is the full form of "ISP"?

Internet Service Provider

Internal Service Processor

International Server Provider

Internet System Processor ANSWER: A

What is the full form of "OSI"?

Organisational Server Interface

Open Server Interconnection

Operating System Interface

Open System Interconnection ANSWER: D

What is the full form of "SMTP"?

Structured Mail Transfer Protocol

Simple Mail Transmitting Protocol

Simple Mail Transfer Protocol

Server Mail Transfer Protocol ANSWER: C

In SAN storage model, the operating system view storage resources as —— devices

FC

SCSI

SAN

None of the mentioned ANSWER: B

All cloud computing applications suffer from the inherent that is intrinsic in their WAN connectivity.

Propagation

Latency

Noise

All of the mentioned ANSWER B

Which term best describes the ability to rapidly increase user accounts for a given cloud service?

Volatility

Synchronicity

Viability

Elasticity ANSWER D

Your company runs a virtualized web application server in-house. You decide to make the web applications available over the Internet through a cloud provider. Which method represents the quickest way to accomplish this?

Create a new cloud server, install web services, and install and configure web applications.

Create a new cloud server, install web services, and import web application data.

Migrate your in-house web application server to the cloud.

This cannot be done — only generic applications are available through the cloud.

ANSWER C

Purchasing software and providing it to a third party that installs and manages that software is an example of which of the following?

Virtualization

Application service provider

Platform as a service

Private cloud ANSWER B

You are the IT director for a retail clothing outlet. Your competitors are using Internet-delivered inventory, storage, and backup solutions from a specific provider. You conclude it is best that your company use the same services from the same provider. What type of cloud will you be subscribing to?

Community cloud

Retail cloud

Private cloud

Public cloud ANSWER A

As a developer for a software company, you have decided to build and test your web applications in a cloud environment. Which type of cloud service best meets your needs?

PaaS

SaaS

IaaS

Xaas ANSWER A

What cloud computing characteristic ensures services and data are always reachable?

Confidentiality

Integrity

Availability

Scalability ANSWER C

You must ensure that your business computing resources can quickly grow as business demands change. Which of the following allows this?

Confidentiality

Integrity

Availability

Scalability ANSWER D

Which of the following is most important area of concern in cloud computing ?

Security

Storage

Scalability

None ANSWER A

Which of the following is one of the unique attribute of Cloud Computing ?

utility type of delivery

elasticity

low barrier to entry

all of the above ANSWER D

Which of the following cloud concept is related to pooling and sharing of resources ?

Polymorphism

Virtualization

Abstraction

None of the mentioned ANSWER B

Point out the wrong statement :

A cloud is defined as the combination of the infrastructure of a datacenter with the ability to provision hardware and software

High touch applications are best done on-premises

The Google App Engine follows IaaS

All of the above ANSWER C

model consists of the particular types of services that you can access on a cloud computing platform.

Service

Deployment

Application

None of the mentioned ANSWER A

refers to the location and management of the cloud’s infrastructure.

Service

Deployment

Application

None of the mentioned ANSWER B

Which of the following is the deployment model?

public

private

hybrid

all of the mentioned ANSWER D

Point out the correct statement.

A deployment model defines the purpose of the cloud and the nature of how the cloud is located

Service model defines the purpose of the cloud and the nature of how the cloud is located

Cloud Square Model is meant to show is that the traditional notion of a network boundary being the network’s firewall no longer applies in cloud computing

All of the mentioned ANSWER A

The cloud infrastructure is operated for the exclusive use of an organization.

Public

Private

Community

All of the mentioned ANSWER B

provides virtual machines, virtual storage, virtual infrastructure, and other hardware assets.

IaaS

SaaS

PaaS

All of the mentioned ANSWER A

Point out the wrong statement.

A PaaS service adds integration features, middleware, and other orchestration and choreography services to the IaaS model

XaaS or ‘anything as a service’ is the delivery of IT as a Service through hybrid Cloud computing

Monitoring as a Service (MaaS) is at present still an emerging piece of the Cloud jigsaw

None of the mentioned ANSWER D

With cloud computing services, hardware purchases, software purchases, and IT support are the responsibility of whom?

Internet service provider

RraaS provider

SaaS provider

Application service provider ANSWER C

When you add a software stack, such as an operating system and applications to the service, the model shifts to model.

SaaS

PaaS

IaaS

All of the mentioned ANSWER A

Which of the following is most refined and restrictive service model ?

IaaS

CaaS

PaaS

All of the mentioned ANSWER C

All cloud computing applications suffer from the inherent that is intrinsic in their WAN connectivity.

propagation

latency

noise

All of the mentioned ANSWER B

Cloud computing is a system and it is necessarily unidirectional in nature.

stateless

stateful

reliable

None of the above ANSWER A

Which of the following is best known service model ?

SaaS

IaaS

PaaS

All of the mentioned ANSWER D

Which of the following is related to service provided by Cloud ?

Sourcing

Ownership

Reliability

AaaS ANSWER A

is a complete operating environment with applications, management, and the user interface.

IaaS

SaaS

PaaS

All of the mentioned ANSWER B

Which of the following cloud concept is related to pooling and sharing of resources ?

Polymorphism

Abstraction

Virtualization

None of the mentioned ANSWER C

A Level Agreement (SLA) is the contract for performance negotiated between you and a service provider.

Service

Application

Deployment

All of the mentioned ANSWER A

Which of the following is specified parameter of SLA ?

Response times

Responsibilities of each party

Warranties

All of the mentioned ANSWER D

Which of the architectural layer is used as backend in cloud computing ?

client

cloud

soft

All of the mentioned ANSWER B

A cloud requires virtualized storage to support the staging and storage of data.

soft

compute

local

None of the mentioned ANSWER B

Point out the wrong statement :

Virtual appliances are becoming a very important standard cloud computing deployment object

Cloud computing requires some standard protocols

Cloud computing relies on a set of protocols needed to manage interprocess communications

None of the mentioned ANSWER D

Which of the following is Cloud Platform by Amazon ?

Azure

AWS

Cloudera

All of the mentioned ANSWER B

Cloud computing is an abstraction based on the notion of pooling physical resources and presenting them as a resource.

real

virtual

cloud

None of the mentioned ANSWER B

Which of the following cloud concept is related to pooling and sharing of resources ?

Polymorphism

Abstraction

Virtualization

None of the mentioned ANSWER C

Which of the following type of virtualization is also characteristic of cloud computing?

Storage

Application

CPU

All of the Above ANSWER D

What facet of cloud computing helps to guard against downtime and determines costs?

Service-level agreements

Application programming interfaces

Virtual private networks

Bandwidth fees ANSWER A

Cloud Services have a relationship with their customers.

Many-to-many

One-to-many

One-to-one

None of the Name ANSWER B

What’s the most popular use case for public cloud computing today?

Test and development

Website hosting

Disaster recovery

Business analytics ANSWER A

Virtual Machine Ware (VMware) is an example of

Infrastructure Service

Platform Service

Software Service

None of the above ANSWER A

Geographic distribution of data across a cloud provider's network is a problem for many enterprises because it:

Makes data recovery harder

Adds latency

Raises security concerns

Breaks compliance regulations ANSWER D

Amazon Web Services is which type of cloud computing distribution model?

Software as a Service

Platform as a Service

Infrastructure as a Service

Software software as a service ANSWER C

Cloud computing networks are designed to support only private or hybrid clouds.

True

False ANSWER B

A good cloud computing network can be adjusted to provide bandwidth on demand.

True

False ANSWER A

A larger cloud network can be built as either a layer 3 or layer 4 network.

True

False ANSWER B

The typical three-layer switching topology will not create latency within a cloud network.

True

False

ANSWER B

The term 'Cloud' in cloud-computing refers to .

The Internet

Cumulus Clouds

A Computer

Thin Clients ANSWER A

allows different operating systems to run in their own memory space.

VVM

VMC

VMM

All of the mentioned ANSWER C

as a Service is a cloud computing infrastructure that creates a development environment upon which applications may be build.

Infrastructure

Platform

Service

All of the mentioned ANSWER B

Which of the following cloud concept is related to pooling and sharing of resources ?

Polymorphism

Abstraction

Virtualization

None of the mentioned ANSWER C

Logical Network Perimeter can be implemented to

isolate IT resources in a cloud from non-authorized users

isolate IT resources in a cloud from non-users

isolate IT resources in a cloud from cloud consumers

all of the above

ANSWER D

A is a form of virtualization software that emaluates a physical server.

virtual server

physical server

hybrid server

none of the above ANSWER A

Point out the wrong statement.

Abstraction enables the key benefit of cloud computing: shared, ubiquitous access

Virtualization assigns a logical name for a physical resource and then provides a pointer to that physical resource then a request is made

All cloud computing applications combine their resources into pools that can be assigned on demand to users

All of the mentioned ANSWER C

Which of the following type of virtualization is also characteristic of cloud computing?

Storage

Application

CPU

All of the mentioned ANSWER D

Point out the correct statement.

A client can request access to a cloud service from any location

A cloud has multiple application instances and directs requests to an instance based on conditions

Computers can be partitioned into a set of virtual machines with each machine being assigned a workload

All of the mentioned ANSWER D

Which of the following network resources can be load balanced?

Connections through intelligent switches

DNS

Storage resources

All of the mentioned ANSWER D

Which of the following type of virtualization is also characteristic of cloud computing ?

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Application

CPU

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A cloud has multiple application instances and directs requests to an instance based on conditions

Computers can be partitioned into a set of virtual machines with each machine being assigned a workload

All of the mentioned ANSWER D

Which of the following is another name for system virtual machine ?

A hardware virtual machine

B) software virtual machine

C) real machine

D) None of the mentioned ANSWER A

A is a form of virtualization software that emaluates a physical server.

virtual server

physical server

hybrid server

none of the above ANSWER A

The IT resource that isolates the network environment within the data center infrastructure is called:

Virtual Firewall

Virtual Network

Both of the mentioned

None of the mentioned ANSWER B

A virtual server is a form of virtualization software that emulates:

Virtual network

Physical Server

IT Resource

None of the mentioned ANSWER B

Which mechanism is used to replicate several instances of a virtual server, using a stored virtual server image.

Hyperviser

Virtualization

Cloud Auditor

None of the mentioned ANSWER A

Internet works on

packet switching

circuit switching

both packet switching and circuit switching

data switching ANSWER A

Which protocol assigns IP address to the client connected in the internet?

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IP

RPC

RSVP ANSWER A

A is an extension of an enterprise’s private intranet across a public network such as the internet, creating a secure private connection.

VNP

VPN

VSN

VSPN ANSWER B

Which of the following is false with respect to UDP?

Connection-oriented

Unreliable

Transport layer protocol

Low overhead ANSWER A

What is the main advantage of UDP?

More overload

Reliable

Low overhead

Fast ANSWER C

Which of the following is false with respect to TCP?

Connection-oriented

Process-to-process

Transport layer protocol

Unreliable ANSWER D

In TCP, sending and receiving data is done as

Stream of bytes

Sequence of characters

Lines of data

Packets ANSWER A

The physical layer is concerned with

bit-by-bit delivery

process to process delivery

application to application delivery

port to port delivery ANSWER A

The data link layer takes the packets from and encapsulates them into frames for transmission.

network layer

physical layer

transport layer

application layer ANSWER A

The network layer is concerned with of data.

bits

frames

packets

bytes ANSWER C

Transport layer aggregates data from different applications into a single stream before passing it to

network layer

data link layer

application layer

physical layer ANSWER A

Which of the following are transport layer protocols used in networking?

TCP and FTP

UDP and HTTP

TCP and UDP

HTTP and FTP ANSWER C

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Storage lab

Data Center

Data warehouse

Fabric ANSWER B

Which three statements describe differences between Storage Area Network (SAN) and Network Attached Storage (NAS) solutions? Choose three.

SAN is generally more expensive but provides higher performance

NAS uses TCP/IP for communication between hosts and the NAS server

NAS requires additional hardware on a host: a host bus adapter for connectivity

SAN uses proprietary protocols for communication between hosts and the SAN fabric

i,ii, iii

i, ii, iv

ii, iii, iv

i, ii, iii ANSWER B

Resource is defined as the creation of multiple instances of the same IT resource.

Management

Provisioning

Replication

Allocation ANSWER C

A virtual server is a form of virtualization software that emulates:

Virtual network

Physical Server

IT Resource

None of the mentioned ANSWER B

Which mechanism is used to replicate several instances of a virtual server, using a stored virtual server image.

Hyperviser

Virtualization

Cloud Auditor

None of the mentioned ANSWER A

Which of the following type of virtualization is also characteristic of cloud computing?

Storage

Application

CPU

All of the mentioned ANSWER D

An IT resource that actively filters network traffic to and from the isolated network while controlling its interactions with the Internet.

Virtual Firewall

Virtual Network

Both of the mentioned

None of the mentioned ANSWER A

Point out the correct statement.

virtual machine is a computer that is walled off from the physical computer that the virtual machineis running on

Virtual machines provide the capability of running multiple machine instances, each with their own operating system

The downside of virtual machine technologies is that having resources indirectly addressed means there is some level of overhead

All of the mentioned ANSWER D

What is the full form of "FTP"?

File Tranmitting Protocol

File Transfer Protocol

Fast Transfer Protocol

Fast Transmitting Project ANSWER B

What is the full form of "HTTP"?

High Transfer Terra Page

Higher Transfer Technology Protocol

Hypertext Transfer Protocol

Hive Type Terminal Protocol ANSWER C

What is the full form of "ISP"?

Internet Service Provider

Internal Service Processor

International Server Provider

Internet System Processor ANSWER A

What is the full form of "OSI"?

Organisational Server Interface

Open Server Interconnection

Operating System Interface

Open System Interconnection ANSWER D

What is the full form of "SMTP"?

Structured Mail Transfer Protocol

Simple Mail Transmitting Protocol

Simple Mail Transfer Protocol

Server Mail Transfer Protocol ANSWER C

In SAN storage model, the operating system view storage resources as

—— devices

FC

SCSI

SAN

None of the mentioned ANSWER B

A is a form of virtualization software that emaluates a physical server

virtual server

physical server

hybrid server

none of the above ANSWER: A

The IT resource that isolates the network environment within the data center infrastructure is called:

Virtual Firewall

Virtual Network

Both of the mentioned

None of the mentioned ANSWER: B

A virtual server is a form of virtualization software that emulates:

Virtual network

Physical Server

IT Resource

None of the mentioned ANSWER: B

Which mechanism is used to replicate several instances of a virtual server, using a stored virtual server image.

Hyperviser

Virtualization

Cloud Auditor

None of the mentioned ANSWER: A

Internet works on

packet switching

circuit switching

both packet switching and circuit switching

data switching ANSWER: A

Which protocol assigns IP address to the client connected in the internet?

DHCP

IP

RPC

RSVP ANSWER: A

A is an extension of an enterprise’s private intranet across a public network such as the internet, creating a secure private connection.

VNP

VPN

VSN

VSPN ANSWER: B

Which of the following is false with respect to UDP?

Connection-oriented

Unreliable

Transport layer protocol

Low overhead ANSWER: A

What is the main advantage of UDP?

More overload

Reliable

Low overhead

Fast ANSWER: C

Which of the following is false with respect to TCP?

Connection-oriented

Process-to-process

Transport layer protocol

Unreliable ANSWER: D

In TCP, sending and receiving data is done as

Stream of bytes

Sequence of characters

Lines of data

Packets ANSWER: A

The physical layer is concerned with

bit-by-bit delivery

process to process delivery

application to application delivery

port to port delivery ANSWER: A

The data link layer takes the packets from and encapsulates them into frames for transmission.

network layer

physical layer

transport layer

application layer ANSWER: A

The network layer is concerned with of data.

bits

frames

packets

bytes

ANSWER: C

Transport layer aggregates data from different applications into a single stream before passing it to

network layer

data link layer

application layer

physical layer ANSWER: A

Which of the following are transport layer protocols used in networking?

TCP and FTP

UDP and HTTP

TCP and UDP

HTTP and FTP ANSWER: C

This is a repository for the storage, management, and dissemination of data in which the mechanical, lighting, electrical and computer systems are designed for maximum energy efficiency and minimum environmental impact.

Storage lab

Data Center

Data warehouse

Fabric ANSWER: B

Which three statements describe differences between Storage Area Network (SAN) and Network Attached Storage (NAS) solutions? Choose three.

SAN is generally more expensive but provides higher performance

NAS uses TCP/IP for communication between hosts and the NAS server

NAS requires additional hardware on a host: a host bus adapter for connectivity

SAN uses proprietary protocols for communication between hosts and the SAN fabric

i,ii, iii

i, ii, iv

ii, iii, iv

i, ii, iii ANSWER: B

Resource is defined as the creation of multiple instances of the same IT resource.

Management

Provisioning

Replication

Allocation ANSWER: C

A virtual server is a form of virtualization software that emulates:

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Physical Server

IT Resource

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Application

CPU

All of the mentioned ANSWER: D

An IT resource that actively filters network traffic to and from the isolated network while controlling its interactions with the Internet.

Virtual Firewall

Virtual Network

Both of the mentioned

None of the mentioned ANSWER: A

Point out the correct statement.

A virtual machine is a computer that is walled off from the physical computer that the virtual machine

is running on

Virtual machines provide the capability of running multiple machine instances, each with their own operating system

The downside of virtual machine technologies is that having resources indirectly addressed means there is some level of overhead

All of the mentioned ANSWER: D

What is the full form of "FTP"?

File Tranmitting Protocol

File Transfer Protocol

Fast Transfer Protocol

Fast Transmitting Project ANSWER: B

What is the full form of "HTTP"?

High Transfer Terra Page

Higher Transfer Technology Protocol

Hypertext Transfer Protocol

Hive Type Terminal Protocol ANSWER: C

What is the full form of "ISP"?

Internet Service Provider

Internal Service Processor

International Server Provider

Internet System Processor ANSWER: A

The mechanism is used to specifically observe the runtime performance of cloud services to ensure that they are fulfilling the conteactual QoS requirements that are published in SLAs.

ANSWER: SLA Monitor

The data collected by the SLA monitor is processed by an

to be aggregated into SLA reporting metrics. ANSWER: SLA management system

The physical server polling has consecutively timed out three times, this generated event is termed as:

ANSWER: PS\_Unreachable

The previously unavailable physical server becomes responsive to polling again, this generated event is termed as:

ANSWER: PS\_Reachable

The mechanism measures cloud-based IT resource usage in accordance with predefined pricing parameters and generates usage logs for fee calculations and billing purposes.

ANSWER: Pay-Per-Use Monitor

The information that is used to identify the type of pricing model for usage fee calaculations, including pre-paid subscription with usage quota, post-paid subscription with maximum usage quota is termed as:

ANSWER: Cloud Consumer Subscription Type

When usage contracts define IT resource usage quotas, usage event conditions are typically supplemented with quota consumption and updated quota limits. This type of consumption is termed as:

ANSWER: Resource Usage Quota Consumption

A pay-per-use monitor designed as a that transparently intercepts and analyzes runtime communication with a cloud service.

ANSWER: Monitoring Agent

A monitoring agent that collects tracking data for networks and IT resources is Called

ANSWER: Audit Monitor

Which of the following are not Cloud management mechanisms ANSWER: Audit Monitor System

Failover System can be defined as

ANSWER: A system to increase the reliability and availability of IT resources by using established clustering technology to provide redundant implementations

Failover System include ANSWER: Both the mentioned

The monitoring agent that intercepts login requests and stores the requestors security credentials, as well as both failed attempts in a log database for future audit reporting purposes.

ANSWER: Audit Monitor

The mechanism that rely on the resource replication mechanism to supply the redundant IT resource instances is called

ANSWER: Failover systems

he implementation mecahnism used in the failoversystems are ANSWER: Resource replication

DAS-based: periodic synchronization can also be reffered as ANSWER: WORM based

A state management database is a ANSWER: Storage Device

Storage management database is used to make software programs more ANSWER: scalable

The cloud management mechanism ANSWER: All of the above

The tools and APIs provided by remote administration system are used by ANSWER: Cloud Provider

The task performed by cloud consumers via a remote administration console is/are

ANSWER: All of the above

A is the core of the resource management system that coordinatesthe server hardware so that virtual server instances can be created from the underlying physical server.

ANSWER: virtual infrastructure manager

Which of the following is NOT the task of resource management system ANSWER: monitoring operational conditions of IT resources

A resource management system consist of . ANSWER: VIM platform and VIM image repository

mechanism is used to group multiple IT resource instances so that they can be operated as single IT resource.

ANSWER: Resource Cluster

Above layer a hypervisor is installed. ANSWER: Physical Layer

Cluster specializes in distributing workloads among cluster nodes to increse IT resource capaacity, while preserving the centralization of IT resource management.

ANSWER: Load balanced Cluster

ia a general purpose portal that centralizes management controls to different cloud-based IT resources.

ANSWER: Usage and Administration Portal

The mechanism is used to specifically observe the runtime performance of cloud services to ensure that they are fulfilling the conteactual QoS requirements that are published in SLAs.

SLA Monitor

Load Balancer

Pay-Per-Use Monitor

Audit Monitor

ANSWER A

The data collected by the SLA monitor is processed by an

to be aggregated into SLA reporting metrics.

SLA administration system

SLA failure system

SLA management system

SLA auditing system

ANSWER C

The physical server polling has consecutively timed out three times, this generated event is termed as:

PS\_Timeout

PS\_Unreachable

PS\_Reachable

VM\_Unreachable

ANSWER B

The previously unavailable physical server becomes responsive to polling again, this generated event is termed as:

VM\_Reachable

PS\_Timeout

PS\_Reachable

VM\_Unreachable

ANSWER C

The mechanism measures cloud-based IT resource usage in accordance with predefined pricing parameters and generates usage logs for fee calculations and billing purposes.

Audit Monitor

SLA Monitor

Automated Scaling Listener

Pay-Per-Use Monitor

ANSWER D

!!!!The information that is used to identify the type of pricing model for usage fee calaculations, including pre-paid subscription with usage quota, post-paid subscription with maximum usage quota is termed as:

Resource Usage Quota Consumption

Cloud Consumer Subscription Type

Resource Usage Category

Bandwidth Consumption

ANSWER A

The billing management system uses this information to identify the range of usage fees that are applicable to each usage event. This particular information is termed as:

Resource Usage Quota Consumption

Cloud Consumer Subscription Type

Resource Usage Category

Bandwidth Consumption

ANSWER B

When usage contracts define IT resource usage quotas, usage event conditions are typically supplemented with quota consumption and updated quota limits.

This type of consumption is termed as:

Resource Usage Quota Consumption

Cloud Consumer Subscription Type

Resource Usage Category

Bandwidth Consumption

ANSWER A

A pay-per-use monitor implemented as a used to determine the usage period of a virtual server.

Resource Auditor

Resource Broker

Resource Admin

Resource Agent

ANSWER D

A pay-per-use monitor designed as a that transparently intercepts and analyzes runtime communication with a cloud service.

Resource Auditor

Monitoring Agent

Service Agent

Resource Agent

ANSWER B

A monitoring agent that collects tracking data for networks and IT resources is Called

Load balancer

Audit Monitor

Automated Scaling Listener

Pay-per use Monitor

ANSWER B

Which of the following are not Cloud management mechanisms

Remote Administration system

SLA Management System

Audit Monitor System

Billing Management System

ANSWER C

Failover System can be defined as

A system to increase the reliability and availability of IT resources by using established clustering technology to provide redundant implementations

A resource agent that monitors and keeps track of the runtime performance of cloud services.

The Failure of the system

None of the mentioned

ANSWER A

Failover System include

Only Active-Active

Only Active-Passive

None of the mentioned

Both the mentioned

ANSWER D

The monitoring agent that intercepts login requests and stores the requestors security credentials, as well as both failed attempts in a log database for future audit reporting purposes.

Pay-per-use monitor

SLA Monitor

Audit Monitor

Cloud Usage Monitor

ANSWER C

an virtualization layer used for different user applications managed by their own operating systems (guest OS) can run on the same hardware, independent of the host OS is refereed as

hypervisor

virtual machine monitor

Both the mentioned

None ANSWER: C

Which of the following is another name for the system virtual machine?

hardware virtual machine

software virtual machine

real machine

none of the mentioned ANSWER: A

Which of the following provide system resource access to virtual machines?

VMM

VMC

VNM

all of the mentioned ANSWER: A

Which of the following is Type 1 Hypervisor?

Wind River Simics

Virtual Server 2005 R2

KVM

LynxSecure ANSWER: D

Which of the following type of virtualization is found in hypervisor such as Microsoft’s Hyper-V?

paravirtualization

full virtualization

emulation

none of the mentioned ANSWER: A

In the virtual machine simulates hardware, so it can be independent of the underlying system hardware.

paravirtualization

full virtualization

emulation

none of the mentioned ANSWER: C

Point out the wrong statement.

Full virtualization requires that the host operating system provide a virtual machine interface for the guest operating system and that the guest access hardware through that host VM

Guest operating systems in full virtualization systems are generally faster than other virtualization schemes

a process virtual machine instantiates when a command begins a process

all of the mentioned ANSWER: A

In a scheme, the VM is installed as a Type 1 Hypervisor directly onto the hardware.

paravirtualization

full virtualization

emulation

none of the mentioned ANSWER: B

at the ISa level, virtualization is performed by emulating a given ISa by the ISa of

Virtual machine

Host machine

Guest OS

none of the mentioned ANSWER: B

Hardware-level virtualization is performed right on top of which harware devices

processors

memory

I/O devices

all of the mentioned ANSWER: D

vCUDa which allows applications executing within VMs to leverage GPU hardware acceleration is an exapmle for

hardware abstraction Level

Os-level Level

Library Support Level

User application Level ANSWER: C

The most popular approach which is to deploy high level language (HLL)VMs.

hardware abstraction Level

Os-level Level

Library Support Level

User application Level ANSWER: D

Virtulization can be implemeted in

hardware abstraction Level

Os-level Level

Library Support Level

all the mentioned ANSWER: D

which virtualization implementation level has more application flexibility

hardware abstraction Level

Instrction set architecture level

Library Support Level

User application Level ANSWER: B

which virtualization implementation level has more implementation complexity

hardware abstraction Level

Instrction set architecture level

Library Support Level

User application Level ANSWER: D

which virtualization implementation level has higher performance

hardware abstraction Level

Instrction set architecture level

Library Support Level

User application Level ANSWER: A

the basic concept of the vCUDa architecture consists of

the vCUDa library

a virtual GPU in the guest OS

vCUDa stub in the host OS

all the mentioned ANSWER: D

noncritical instructions run on the hardware directly while critical instructions are discovered and replaced with traps into the VMM to be emulated by software in

Full Virtualization

para Virtualization

Host- based Virtualization

None ANSWER: A

the type of Virtualization replaces nonvirtualizable instructions with hypercalls that communicate directly with the hypervisor or VMM

Full Virtualization

para Virtualization

Host- based Virtualization

None ANSWER: B

In Para-Virtualization architecture ring-0 defines

para virualized guest-os

host-os

user apps

virtialization layer ANSWER: A

Which of the following type of virtualization is also characteristic of cloud computing?

Storage

application

CPU

all of the mentioned ANSWER: D

In Para-Virtualization architecture ring-3 defines

para virualized guest-os

host-os

user apps

virtialization layer ANSWER: C

Ring 0 represents In Para-Virtualization architecture

level having most privilege

level having least privilege

None ANSWER: A

Ring 3 represents In Para-Virtualization architecture

level having most privilege

level having least privilege

None ANSWER: B

KVM (Kernel-Based VM) is a

Full Virtualized system

para Virtualized system

Host- based Virtualized system

None ANSWER: B

hypervisor kernel provides the same functionality as other operating systems, such as process creation, file system management, and process scheduling. It is designed to specifically support multiple virtual machines and to provide core functionalities, such as resource scheduling, I/O stacks, etc.

Hypervisor Components - VMM

Hypervisor Components - Kernel

Resource Control - Share

vSphere Key Components ANSWER: B

All cloud computing applications suffer from the inherent that is intrinsic in their WAN

connectivity. A) Propagation

Latency

Noise

All of the mentioned ANSWER: B

Which term best describes the ability to rapidly increase user accounts for a given cloud service?

Volatility

Synchronicity

Viability

Elasticity ANSWER: D

Your company runs a virtualized web application server in-house. You decide to make the web

applications available over the Internet through a cloud provider. Which method represents the

quickest way to accomplish this?

A) Create a new cloud server, install web services, and install and configure web applications. B) Create a new cloud server, install web services, and import web application data.

C) Migrate your in-house web application server to the cloud

. D) This cannot be done — only generic applications are available through the cloud. ANSWER: C

Purchasing software and providing it to a third party that installs and manages that software is an example of which of the following?

Virtualization

Application service provider

Platform as a service

Private cloud ANSWER: B

You are the IT director for a retail clothing outlet. Your competitors are using Internet-delivered

inventory, storage, and backup solutions from a specific provider. You conclude it is best that your

company use the same services from the same provider. What type of cloud will you be subscribing

to?

Community cloud

Retail cloud

Private cloud

Public cloud ANSWER: A

As a developer for a software company, you have decided to build and test your web applications in a

cloud environment. Which type of cloud service best meets your needs?

PaaS

SaaS

IaaS

Xaas ANSWER: A

What cloud computing characteristic ensures services and data are always reachable?

Confidentiality

Integrity

Availability

Scalability ANSWER: C

You must ensure that your business computing resources can quickly grow as business demands

change. Which of the following allows this?

Confidentiality

Integrity

Availability

Scalability ANSWER: D

Which of the following is most important area of concern in cloud computing ?

Security

Storage

Scalability

None ANSWER: A

Which of the following is one of the unique attribute of Cloud Computing ?

utility type of delivery

elasticity

low barrier to entry

all of the above ANSWER: D

Which of the following cloud concept is related to pooling and sharing of resources ?

Polymorphism

Virtualization

Abstraction

None of the mentioned ANSWER: B

Point out the wrong statement :

A cloud is defined as the combination of the infrastructure of a datacenter with the ability to

provision hardware and software

High touch applications are best done on-premises

The Google App Engine follows IaaS

All of the above

ANSWER: C

model consists of the particular types of services that you can access on a cloud

computing platform. A) Service

Deployment

Application

None of the mentioned ANSWER: A

refers to the location and management of the cloud’s infrastructure. A) Service

Deployment

Application

None of the mentioned ANSWER: B

Which of the following is the deployment model?

public

private

hybrid

all of the mentioned ANSWER: D

Point out the correct statement. A) A deployment model defines the purpose of the cloud and the nature of how the cloud is located

Service model defines the purpose of the cloud and the nature of how the cloud is located

Cloud Square Model is meant to show is that the traditional notion of a network boundary being the network’s firewall no longer applies in cloud computing

All of the mentioned ANSWER: A

The cloud infrastructure is operated for the exclusive use of an organization. A) Public

Private

Community

All of the mentioned ANSWER: B

provides virtual machines, virtual storage, virtual infrastructure, and other hardware assets. A) IaaS

SaaS

PaaS

All of the mentioned ANSWER: A

Point out the wrong statement. A) A PaaS service adds integration features, middleware, and other orchestration and choreography

services to the IaaS model

XaaS or ‘anything as a service’ is the delivery of IT as a Service through hybrid Cloud computing

Monitoring as a Service (MaaS) is at present still an emerging piece of the Cloud jigsaw

None of the mentioned ANSWER: D

With cloud computing services, hardware purchases, software purchases, and IT support are the

responsibility of whom?

Internet service provider

RraaS provider

SaaS provider

Application service provider ANSWER: C

When you add a software stack, such as an operating system and applications to the service, the

model shifts to model. A) SaaS

PaaS

IaaS

All of the mentioned ANSWER: A

Which of the following is most refined and restrictive service model ?

IaaS

CaaS

PaaS

All of the mentioned ANSWER: C

All cloud computing applications suffer from the inherent that is intrinsic in their WAN

connectivity.

propagation

latency

noise

All of the mentioned ANSWER: B

Cloud computing is a system and it is necessarily unidirectional in nature.

stateless

stateful

reliable

None of the above ANSWER: A

Which of the following is best known service model ?

SaaS

IaaS

PaaS

All of the mentioned ANSWER: D

Which of the following is related to service provided by Cloud ?

Sourcing

Ownership

Reliability

AaaS ANSWER: A

is a complete operating environment with applications, management, and the user interface. A) IaaS

SaaS

PaaS

All of the mentioned ANSWER: B

Which of the following cloud concept is related to pooling and sharing of resources ?

Polymorphism

Abstraction

Virtualization

None of the mentioned ANSWER: C

A Level Agreement (SLA) is the contract for performance negotiated between you

and a

service provider. A) Service

Application

Deployment

All of the mentioned ANSWER: A

Which of the following is specified parameter of SLA ?

Response times

Responsibilities of each party

Warranties

All of the mentioned ANSWER: D

Which of the architectural layer is used as backend in cloud computing ?

client

cloud

soft

All of the mentioned

ANSWER: B

A cloud requires virtualized storage to support the staging and storage of data. A) soft

compute

local

None of the mentioned ANSWER: B

Point out the wrong statement :

Virtual appliances are becoming a very important standard cloud computing deployment object

Cloud computing requires some standard protocols

Cloud computing relies on a set of protocols needed to manage interprocess communications

None of the mentioned ANSWER: D

Which of the following is Cloud Platform by Amazon ?

Azure

AWS

Cloudera

All of the mentioned ANSWER: D

Cloud computing is an abstraction based on the notion of pooling physical resources and presenting

them as a resource. A) real

virtual

cloud

None of the mentioned

ANSWER: B

Which of the following cloud concept is related to pooling and sharing of resources ?

Polymorphism

Abstraction

Virtualization

None of the mentioned ANSWER:C

Which of the following type of virtualization is also characteristic of cloud computing?

Storage

Application

CPU

All of the Above ANSWER: D

What facet of cloud computing helps to guard against downtime and determines costs?

Service-level agreements

Application programming interfaces

Virtual private networks

Bandwidth fees ANSWER: A

Cloud Services have a relationship with their customers.A) Many-to-many

One-to-many

One-to-one

None of the Name ANSWER: B

What’s the most popular use case for public cloud computing today?

Test and development

Website hosting

Disaster recovery

Business analytics ANSWER: A

Virtual Machine Ware (VMware) is an example of

Infrastructure Service

Platform Service

Software Service

None of the above ANSWER: A

Geographic distribution of data across a cloud provider's network is a problem for many

enterprises because it:

Makes data recovery harder

Adds latency

Raises security concerns

Breaks compliance regulations ANSWER: A

Amazon Web Services is which type of cloud computing distribution model?

Software as a Service

Platform as a Service

Infrastructure as a Service

Software software as a service ANSWER: C

Cloud computing networks are designed to support only private or hybrid clouds.

True

False ANSWER: B

A good cloud computing network can be adjusted to provide bandwidth on demand.

True

False ANSWER: A

A larger cloud network can be built as either a layer 3 or layer 4 network. A) True

B) False ANSWER: B

The typical three-layer switching topology will not create latency within a cloud network. A) True

B) False ANSWER: B

The term 'Cloud' in cloud-computing refers to .

The Internet

Cumulus Clouds

A Computer

Thin Clients ANSWER: A

allows different operating systems to run in their own memory space.

VVM

VMC

VMM

All of the mentioned ANSWER: C

as a Service is a cloud computing infrastructure that creates a development

environment

upon which applications may be build. A) Infrastructure

Platform

Service

All of the mentioned ANSWER: B

Which of the following cloud concept is related to pooling and sharing of resources ?

Polymorphism

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Virtualization

None of the mentioned ANSWER: C

Logical Network Perimeter can be implemented to

isolate IT resources in a cloud from non-authorized users

isolate IT resources in a cloud from non-users

isolate IT resources in a cloud from cloud consumers

all of the above Answer: D

A is a form of virtualization software that emaluates a physical server.

virtual server

physical server

hybrid server

none of the above Answer: A

Point out the wrong statement. A) Abstraction enables the key benefit of cloud computing: shared, ubiquitous access

Virtualization assigns a logical name for a physical resource and then provides a pointer to that physical resource when a request is made

All cloud computing applications combine their resources into pools that can be assigned on

demand to users

All of the mentioned ANSWER: C

Which of the following type of virtualization is also characteristic of cloud computing?

Storage

Application

CPU

All of the mentioned ANSWER: D

Point out the correct statement. A) A client can request access to a cloud service from any location

A cloud has multiple application instances and directs requests to an instance based on conditions

Computers can be partitioned into a set of virtual machines with each machine being assigned a

workload

All of the mentioned ANSWER: D

Which of the following network resources can be load balanced?

Connections through intelligent switches

DNS

Storage resources

All of the mentioned ANSWER: D

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Which of the following is another name for system virtual machine ? A hardware virtual machine

software virtual machine

real machine

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Unreliable

Transport layer protocol

Low overhead ANSWER: A

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Reliable

Low overhead

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port to port delivery ANSWER: A

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transmission. A) network layer

physical layer

transport layer

application layer ANSWER: A

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frames

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TCP and FTP

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i,ii, iii

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Resource is defined as the creation of multiple instances of the same IT resource. A) Management

Provisioning

Replication

Allocation ANSWER: C

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Application

CPU

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Virtual Network

Both of the mentioned

None of the mentioned ANSWER: A

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operating system

The downside of virtual machine technologies is that having resources indirectly addressed means

there is some level of overhead

All of the mentioned ANSWER: D

What is the full form of "FTP"?

File Tranmitting Protocol

File Transfer Protocol

Fast Transfer Protocol

Fast Transmitting Project ANSWER: B

What is the full form of "HTTP"?

High Transfer Terra Page

Higher Transfer Technology Protocol

Hypertext Transfer Protocol

Hive Type Terminal Protocol What is the full form of "ISP"?

Internet Service Provider

Internal Service Processor

International Server Provider

Internet System Processor ANSWER: A

What is the full form of "OSI"?

Organisational Server Interface

Open Server Interconnection

Operating System Interface

Open System Interconnection ANSWER: D

What is the full form of "SMTP"?

Structured Mail Transfer Protocol

Simple Mail Transmitting Protocol

Simple Mail Transfer Protocol

Server Mail Transfer Protocol ANSWER: C

In SAN storage model, the operating system view storage resources as —— devices

FC

SCSI

SAN

None of the mentioned ANSWER: B

an virtualization layer used for different user applications managed by their own operating systems (guest OS) can run on the same hardware, independent of the host OS is refereed as

hypervisor

virtual machine monitor

Both the mentioned

None ANSWER: C

Which of the following is another name for the system virtual machine?

hardware virtual machine

software virtual machine

real machine

none of the mentioned ANSWER: A

Which of the following provide system resource access to virtual machines?

VMM

VMC

VNM

all of the mentioned ANSWER: A

Which of the following is Type 1 Hypervisor?

Wind River Simics

Virtual Server 2005 R2

KVM

LynxSecure ANSWER: D

Which of the following type of virtualization is found in hypervisor such as Microsoft’s Hyper-V?

paravirtualization

full virtualization

emulation

none of the mentioned

ANSWER: A

In the virtual machine simulates hardware, so it can be independent of the underlying system hardware.

paravirtualization

full virtualization

emulation

none of the mentioned ANSWER: C

Point out the wrong statement.

Full virtualization requires that the host operating system provide a virtual machine interface for the guest operating system and that the guest access hardware through that host VM

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memory

I/O devices

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hardware abstraction Level

Os-level Level

Library Support Level

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which virtualization implementation level has more application flexibility

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Instrction set architecture level

Library Support Level

User application Level ANSWER: B

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a virtual GPU in the guest OS

vCUDa stub in the host OS

all the mentioned ANSWER: D

noncritical instructions run on the hardware directly while critical instructions are discovered and replaced with traps into the VMM to be emulated by software in

Full Virtualization

para Virtualization

Host- based Virtualization

None

ANSWER: A

the type of Virtualization replaces nonvirtualizable instructions with hypercalls that communicate directly with the hypervisor or VMM

Full Virtualization

para Virtualization

Host- based Virtualization

None ANSWER: B

In Para-Virtualization architecture ring-0 defines

para virualized guest-os

host-os

user apps

virtialization layer ANSWER: A

Which of the following type of virtualization is also characteristic of cloud computing?

Storage

application

CPU

all of the mentioned ANSWER: D

In Para-Virtualization architecture ring-3 defines

para virualized guest-os

host-os

user apps

virtialization layer ANSWER: C

Ring 0 represents In Para-Virtualization architecture

level having most privilege

level having least privilege

None ANSWER: A

Ring 3 represents In Para-Virtualization architecture

level having most privilege

level having least privilege

None ANSWER: B

KVM (Kernel-Based VM) is a

Full Virtualized system

para Virtualized system

Host- based Virtualized system

None ANSWER: B

hypervisor kernel provides the same functionality as other operating systems, such as process creation, file system management, and process scheduling. It is designed to specifically support multiple virtual machines and to provide core functionalities, such as resource scheduling, I/O stacks, etc.

Hypervisor Components - VMM

Hypervisor Components - Kernel

Resource Control - Share

vSphere Key Components ANSWER: B

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Propagation

Latency

Noise

All of the mentioned ANSWER: B

Which term best describes the ability to rapidly increase user accounts for a given cloud service?

Volatility

Synchronicity

Viability

Elasticity ANSWER: D

Your company runs a virtualized web application server in-house. You decide to make the web applications available over the Internet through a cloud provider. Which method represents the quickest way to accomplish this?

Create a new cloud server, install web services, and install and configure web applications.

Create a new cloud server, install web services, and import web application data.

Migrate your in-house web application server to the cloud.

This cannot be done — only generic applications are available through the cloud.

ANSWER: C

Purchasing software and providing it to a third party that installs and manages that software is an example of which of the following?

Virtualization

Application service provider

Platform as a service

Private cloud ANSWER: B

You are the IT director for a retail clothing outlet. Your competitors are using Internet-delivered inventory, storage, and backup solutions from a specific provider. You conclude it is best that your company use the same services from the same provider. What type of cloud will you be subscribing to?

Community cloud

Retail cloud

Private cloud

Public cloud ANSWER: A

As a developer for a software company, you have decided to build and test your web applications in a cloud environment. Which type of cloud service best meets your needs?

PaaS

SaaS

IaaS

Xaas ANSWER: A

What cloud computing characteristic ensures services and data are always reachable?

Confidentiality

Integrity

Availability

Scalability ANSWER: C

You must ensure that your business computing resources can quickly grow as business demands change. Which of the following allows this?

Confidentiality

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Scalability ANSWER: D

Which of the following is most important area of concern in cloud computing ?

Security

Storage

Scalability

None ANSWER: A

Which of the following is one of the unique attribute of Cloud Computing ?

utility type of delivery

elasticity

low barrier to entry

all of the above ANSWER: D

Which of the following cloud concept is related to pooling and sharing of resources ?

Polymorphism

Virtualization

Abstraction

None of the mentioned ANSWER: B

Point out the wrong statement :

A cloud is defined as the combination of the infrastructure of a datacenter with the ability to provision hardware and software

High touch applications are best done on-premises

The Google App Engine follows IaaS

All of the above ANSWER: C

model consists of the particular types of services that you can access on a cloud computing platform.

Service

Deployment

Application

None of the mentioned ANSWER: A

refers to the location and management of the cloud’s infrastructure.

Service

Deployment

Application

None of the mentioned ANSWER: B

Which of the following is the deployment model?

public

private

hybrid

all of the mentioned ANSWER: D

Point out the correct statement.

A deployment model defines the purpose of the cloud and the nature of how the cloud is located

Service model defines the purpose of the cloud and the nature of how the cloud is located

Cloud Square Model is meant to show is that the traditional notion of a network boundary being the network’s firewall no longer applies in cloud computing

All of the mentioned ANSWER: A

The cloud infrastructure is operated for the exclusive use of an organization.

Public

Private

Community

All of the mentioned ANSWER: B

provides virtual machines, virtual storage, virtual infrastructure, and other hardware assets.

IaaS

SaaS

PaaS

All of the mentioned ANSWER: A

Point out the wrong statement.

A PaaS service adds integration features, middleware, and other orchestration and choreography services to the IaaS model

XaaS or ‘anything as a service’ is the delivery of IT as a Service through hybrid Cloud computing

Monitoring as a Service (MaaS) is at present still an emerging piece of the Cloud jigsaw

None of the mentioned ANSWER: D

With cloud computing services, hardware purchases, software purchases, and IT support are the responsibility of whom?

Internet service provider

RraaS provider

SaaS provider

Application service provider ANSWER: C

When you add a software stack, such as an operating system and applications to the service, the model shifts to model.

SaaS

PaaS

IaaS

All of the mentioned ANSWER: A

Which of the following is most refined and restrictive service model ?

IaaS

CaaS

PaaS

All of the mentioned ANSWER: C

All cloud computing applications suffer from the inherent that is intrinsic in their WAN connectivity.

propagation

latency

noise

All of the mentioned ANSWER: B

Cloud computing is a system and it is necessarily unidirectional in nature.

stateless

stateful

reliable

None of the above ANSWER: A

Which of the following is best known service model ?

SaaS

IaaS

PaaS

All of the mentioned ANSWER: D

Which of the following is related to service provided by Cloud ?

Sourcing

Ownership

Reliability

AaaS ANSWER: A

is a complete operating environment with applications, management, and the user interface.

IaaS

SaaS

PaaS

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A Level Agreement (SLA) is the contract for performance negotiated between you and a service provider.

Service

Application

Deployment

All of the mentioned ANSWER: A

Which of the following is specified parameter of SLA ?

Response times

Responsibilities of each party

Warranties

All of the mentioned ANSWER: D

Which of the architectural layer is used as backend in cloud computing ?

client

cloud

soft

All of the mentioned ANSWER: B

A cloud requires virtualized storage to support the staging and storage of data.

soft

compute

local

None of the mentioned ANSWER: B

Point out the wrong statement :

Virtual appliances are becoming a very important standard cloud computing deployment object

Cloud computing requires some standard protocols

Cloud computing relies on a set of protocols needed to manage interprocess communications

None of the mentioned ANSWER: D

Which of the following is Cloud Platform by Amazon ?

Azure

AWS

Cloudera

All of the mentioned ANSWER: D

Cloud computing is an abstraction based on the notion of pooling physical resources and presenting them as a resource.

real

virtual

cloud

None of the mentioned ANSWER: B

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Polymorphism

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Virtualization

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Which of the following type of virtualization is also characteristic of cloud computing?

Storage

Application

CPU

All of the Above ANSWER: D

What facet of cloud computing helps to guard against downtime and determines costs?

Service-level agreements

Application programming interfaces

Virtual private networks

Bandwidth fees ANSWER: A

Cloud Services have a relationship with their customers.

Many-to-many

One-to-many

One-to-one

None of the Name ANSWER: B

What’s the most popular use case for public cloud computing today?

Test and development

Website hosting

Disaster recovery

Business analytics ANSWER: A

Virtual Machine Ware (VMware) is an example of

Infrastructure Service

Platform Service

Software Service

None of the above ANSWER: A

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Makes data recovery harder

Adds latency

Raises security concerns

Breaks compliance regulations ANSWER: A

Amazon Web Services is which type of cloud computing distribution model?

Software as a Service

Platform as a Service

Infrastructure as a Service

Software software as a service ANSWER: C

Cloud computing networks are designed to support only private or hybrid clouds.

True

False ANSWER: B

A good cloud computing network can be adjusted to provide bandwidth on demand.

True

False ANSWER: A

A larger cloud network can be built as either a layer 3 or layer 4 network.

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The term 'Cloud' in cloud-computing refers to .

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A Computer

Thin Clients ANSWER: A

allows different operating systems to run in their own memory space.

VVM

VMC

VMM

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as a Service is a cloud computing infrastructure that creates a development environment upon which applications may be build.

Infrastructure

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Logical Network Perimeter can be implemented to

isolate IT resources in a cloud from non-authorized users

isolate IT resources in a cloud from non-users

isolate IT resources in a cloud from cloud consumers

all of the above Answer: D

A is a form of virtualization software that emaluates a physical server.

virtual server

physical server

hybrid server

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Point out the wrong statement.

Abstraction enables the key benefit of cloud computing: shared, ubiquitous access

Virtualization assigns a logical name for a physical resource and then provides a pointer to that physical resource when a request is made

All cloud computing applications combine their resources into pools that can be assigned on demand to users

All of the mentioned

ANSWER: C

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Application

CPU

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Point out the correct statement.

A client can request access to a cloud service from any location

A cloud has multiple application instances and directs requests to an instance based on conditions

Computers can be partitioned into a set of virtual machines with each machine being assigned a workload

All of the mentioned ANSWER: D

Which of the following network resources can be load balanced?

Connections through intelligent switches

DNS

Storage resources

All of the mentioned ANSWER: D

Which of the following type of virtualization is also characteristic of cloud computing ?

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Application

CPU

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A client can request access to a cloud service from any location

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Os-level Level

Library Support Level

User application Level ANSWER: C

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level having least privilege

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hypervisor kernel provides the same functionality as other operating systems, such as process creation, file system management, and process scheduling. It is designed to specifically support multiple virtual machines and to provide core functionalities, such as resource scheduling, I/O stacks, etc.

Hypervisor Components - VMM

Hypervisor Components - Kernel

Resource Control - Share

vSphere Key Components ANSWER: B

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Latency

Noise

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Viability

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This cannot be done — only generic applications are available through the cloud.

ANSWER: C

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Application service provider

Platform as a service

Private cloud ANSWER: B

You are the IT director for a retail clothing outlet. Your competitors are using Internet-delivered inventory, storage, and backup solutions from a specific provider. You conclude it is best that your company use the same services from the same provider. What type of cloud will you be subscribing to?

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Retail cloud

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SaaS

IaaS

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Integrity

Availability

Scalability ANSWER: C

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Storage

Scalability

None ANSWER: A

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utility type of delivery

elasticity

low barrier to entry

all of the above ANSWER: D

Which of the following cloud concept is related to pooling and sharing of resources ?

Polymorphism

Virtualization

Abstraction

None of the mentioned ANSWER: B

Point out the wrong statement :

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High touch applications are best done on-premises

The Google App Engine follows IaaS

All of the above ANSWER: C

----------- model consists of the particular types of services that you can access on a cloud computing platform.

Service

Deployment

Application

None of the mentioned ANSWER: A

----------- refers to the location and management of the cloud’s infrastructure.

Service

Deployment

Application

None of the mentioned ANSWER: B

Which of the following is the deployment model?

public

private

hybrid

all of the mentioned

ANSWER: D

Point out the correct statement.

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Service model defines the purpose of the cloud and the nature of how the cloud is located

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Private

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SaaS provider

Application service provider ANSWER: C

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SaaS

PaaS

IaaS

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IaaS

CaaS

PaaS

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stateful

reliable

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Which of the following is best known service model ?

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Sourcing

Ownership

Reliability

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Service

Application

Deployment

All of the mentioned ANSWER: A

Which of the following is specified parameter of SLA ?

Response times

Responsibilities of each party

Warranties

All of the mentioned ANSWER: D

Which of the architectural layer is used as backend in cloud computing ?

client

cloud

soft

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Which of the following is Cloud Platform by Amazon ?

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real

virtual

cloud

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Application

CPU

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Service-level agreements

Application programming interfaces

Virtual private networks

Bandwidth fees ANSWER: A

Cloud Services have a relationship with their customers.

Many-to-many

One-to-many

One-to-one

None of the Name ANSWER: B

What’s the most popular use case for public cloud computing today?

Test and development

Website hosting

Disaster recovery

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Virtual Machine Ware (VMware) is an example of

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Platform Service

Software Service

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Adds latency

Raises security concerns

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Amazon Web Services is which type of cloud computing distribution model?

Software as a Service

Platform as a Service

Infrastructure as a Service

Software software as a service ANSWER: C

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True

False ANSWER: B

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VMC

VMM

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isolate IT resources in a cloud from non-users

isolate IT resources in a cloud from cloud consumers

all of the above Answer: D

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virtual server

physical server

hybrid server

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Point out the wrong statement.

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All of the mentioned ANSWER: D

Which of the following network resources can be load balanced?

Connections through intelligent switches

DNS

Storage resources

All of the mentioned ANSWER: D

Which of the following type of virtualization is also characteristic of cloud computing ?

Storage

Application

CPU

All of the mentioned

ANSWER: D

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All of the mentioned ANSWER: D

Which of the following is another name for system virtual machine ? A hardware virtual machine

software virtual machine

real machine

None of the mentioned ANSWER: A

A is a form of virtualization software that emaluates a physical server.

virtual server

physical server

hybrid server

none of the above ANSWER: A

The IT resource that isolates the network environment within the data center infrastructure is called:

Virtual Firewall

Virtual Network

Both of the mentioned

None of the mentioned ANSWER: B

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Virtual network

Physical Server

IT Resource

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Hyperviser

Virtualization

Cloud Auditor

None of the mentioned ANSWER: A

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packet switching

circuit switching

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HTTP and FTP ANSWER: C

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Data Center

Data warehouse

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Management

Provisioning

Replication

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All of the mentioned ANSWER: D

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Fast Transfer Protocol

Fast Transmitting Project ANSWER: B

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Open Server Interconnection

Operating System Interface

Open System Interconnection ANSWER: D

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Simple Mail Transmitting Protocol

Simple Mail Transfer Protocol

Server Mail Transfer Protocol ANSWER: C

In SAN storage model, the operating system view storage resources as —— devices

FC

SCSI

SAN

None of the mentioned ANSWER: B

All cloud computing applications suffer from the inherent that is intrinsic in their WAN connectivity.

Propagation

Latency

Noise

All of the mentioned ANSWER B

Which term best describes the ability to rapidly increase user accounts for a given cloud service?

Volatility

Synchronicity

Viability

Elasticity ANSWER D

Your company runs a virtualized web application server in-house. You decide to make the web applications available over the Internet through a cloud provider. Which method represents the quickest way to accomplish this?

Create a new cloud server, install web services, and install and configure web applications.

Create a new cloud server, install web services, and import web application data.

Migrate your in-house web application server to the cloud.

This cannot be done — only generic applications are available through the cloud.

ANSWER C

Purchasing software and providing it to a third party that installs and manages that software is an example of which of the following?

Virtualization

Application service provider

Platform as a service

Private cloud ANSWER B

You are the IT director for a retail clothing outlet. Your competitors are using Internet-delivered inventory, storage, and backup solutions from a specific provider. You conclude it is best that your company use the same services from the same provider. What type of cloud will you be subscribing to?

Community cloud

Retail cloud

Private cloud

Public cloud ANSWER A

As a developer for a software company, you have decided to build and test your web applications in a cloud environment. Which type of cloud service best meets your needs?

PaaS

SaaS

IaaS

Xaas ANSWER A

What cloud computing characteristic ensures services and data are always reachable?

Confidentiality

Integrity

Availability

Scalability ANSWER C

You must ensure that your business computing resources can quickly grow as business demands change. Which of the following allows this?

Confidentiality

Integrity

Availability

Scalability ANSWER D

Which of the following is most important area of concern in cloud computing ?

Security

Storage

Scalability

None ANSWER A

Which of the following is one of the unique attribute of Cloud Computing ?

utility type of delivery

elasticity

low barrier to entry

all of the above ANSWER D

Which of the following cloud concept is related to pooling and sharing of resources ?

Polymorphism

Virtualization

Abstraction

None of the mentioned ANSWER B

Point out the wrong statement :

A cloud is defined as the combination of the infrastructure of a datacenter with the ability to provision hardware and software

High touch applications are best done on-premises

The Google App Engine follows IaaS

All of the above ANSWER C

model consists of the particular types of services that you can access on a cloud computing platform.

Service

Deployment

Application

None of the mentioned ANSWER A

refers to the location and management of the cloud’s infrastructure.

Service

Deployment

Application

None of the mentioned ANSWER B

Which of the following is the deployment model?

public

private

hybrid

all of the mentioned ANSWER D

Point out the correct statement.

A deployment model defines the purpose of the cloud and the nature of how the cloud is located

Service model defines the purpose of the cloud and the nature of how the cloud is located

Cloud Square Model is meant to show is that the traditional notion of a network boundary being the network’s firewall no longer applies in cloud computing

All of the mentioned ANSWER A

The cloud infrastructure is operated for the exclusive use of an organization.

Public

Private

Community

All of the mentioned ANSWER B

provides virtual machines, virtual storage, virtual infrastructure, and other hardware assets.

IaaS

SaaS

PaaS

All of the mentioned ANSWER A

Point out the wrong statement.

A PaaS service adds integration features, middleware, and other orchestration and choreography services to the IaaS model

XaaS or ‘anything as a service’ is the delivery of IT as a Service through hybrid Cloud computing

Monitoring as a Service (MaaS) is at present still an emerging piece of the Cloud jigsaw

None of the mentioned ANSWER D

With cloud computing services, hardware purchases, software purchases, and IT support are the responsibility of whom?

Internet service provider

RraaS provider

SaaS provider

Application service provider ANSWER C

When you add a software stack, such as an operating system and applications to the service, the model shifts to model.

SaaS

PaaS

IaaS

All of the mentioned ANSWER A

Which of the following is most refined and restrictive service model ?

IaaS

CaaS

PaaS

All of the mentioned ANSWER C

All cloud computing applications suffer from the inherent that is intrinsic in their WAN connectivity.

propagation

latency

noise

All of the mentioned ANSWER B

Cloud computing is a system and it is necessarily unidirectional in nature.

stateless

stateful

reliable

None of the above ANSWER A

Which of the following is best known service model ?

SaaS

IaaS

PaaS

All of the mentioned ANSWER D

Which of the following is related to service provided by Cloud ?

Sourcing

Ownership

Reliability

AaaS ANSWER A

is a complete operating environment with applications, management, and the user interface.

IaaS

SaaS

PaaS

All of the mentioned ANSWER B

Which of the following cloud concept is related to pooling and sharing of resources ?

Polymorphism

Abstraction

Virtualization

None of the mentioned ANSWER C

A Level Agreement (SLA) is the contract for performance negotiated between you and a service provider.

Service

Application

Deployment

All of the mentioned ANSWER A

Which of the following is specified parameter of SLA ?

Response times

Responsibilities of each party

Warranties

All of the mentioned ANSWER D

Which of the architectural layer is used as backend in cloud computing ?

client

cloud

soft

All of the mentioned ANSWER B

A cloud requires virtualized storage to support the staging and storage of data.

soft

compute

local

None of the mentioned ANSWER B

Point out the wrong statement :

Virtual appliances are becoming a very important standard cloud computing deployment object

Cloud computing requires some standard protocols

Cloud computing relies on a set of protocols needed to manage interprocess communications

None of the mentioned ANSWER D

Which of the following is Cloud Platform by Amazon ?

Azure

AWS

Cloudera

All of the mentioned ANSWER B

Cloud computing is an abstraction based on the notion of pooling physical resources and presenting them as a resource.

real

virtual

cloud

None of the mentioned ANSWER B

Which of the following cloud concept is related to pooling and sharing of resources ?

Polymorphism

Abstraction

Virtualization

None of the mentioned ANSWER C

Which of the following type of virtualization is also characteristic of cloud computing?

Storage

Application

CPU

All of the Above ANSWER D

What facet of cloud computing helps to guard against downtime and determines costs?

Service-level agreements

Application programming interfaces

Virtual private networks

Bandwidth fees ANSWER A

Cloud Services have a relationship with their customers.

Many-to-many

One-to-many

One-to-one

None of the Name ANSWER B

What’s the most popular use case for public cloud computing today?

Test and development

Website hosting

Disaster recovery

Business analytics ANSWER A

Virtual Machine Ware (VMware) is an example of

Infrastructure Service

Platform Service

Software Service

None of the above ANSWER A

Geographic distribution of data across a cloud provider's network is a problem for many enterprises because it:

Makes data recovery harder

Adds latency

Raises security concerns

Breaks compliance regulations ANSWER D

Amazon Web Services is which type of cloud computing distribution model?

Software as a Service

Platform as a Service

Infrastructure as a Service

Software software as a service ANSWER C

Cloud computing networks are designed to support only private or hybrid clouds.

True

False ANSWER B

A good cloud computing network can be adjusted to provide bandwidth on demand.

True

False ANSWER A

A larger cloud network can be built as either a layer 3 or layer 4 network.

True

False ANSWER B

The typical three-layer switching topology will not create latency within a cloud network.

True

False ANSWER B

The term 'Cloud' in cloud-computing refers to .

The Internet

Cumulus Clouds

A Computer

Thin Clients ANSWER A

allows different operating systems to run in their own memory space.

VVM

VMC

VMM

All of the mentioned ANSWER C

as a Service is a cloud computing infrastructure that creates a development environment upon which applications may be build.

Infrastructure

Platform

Service

All of the mentioned ANSWER B

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Polymorphism

Abstraction

Virtualization

None of the mentioned ANSWER C

Logical Network Perimeter can be implemented to

isolate IT resources in a cloud from non-authorized users

isolate IT resources in a cloud from non-users

isolate IT resources in a cloud from cloud consumers

all of the above ANSWER D

A is a form of virtualization software that emaluates a physical server.

virtual server

physical server

hybrid server

none of the above ANSWER A

Point out the wrong statement.

Abstraction enables the key benefit of cloud computing: shared, ubiquitous access

Virtualization assigns a logical name for a physical resource and then provides a pointer to that physical resource then a request is made

All cloud computing applications combine their resources into pools that can be assigned on demand to users

All of the mentioned ANSWER C

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Storage

Application

CPU

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All of the mentioned ANSWER D

Which of the following network resources can be load balanced?

Connections through intelligent switches

DNS

Storage resources

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B) software virtual machine

C) real machine

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VSPN ANSWER B

Which of the following is false with respect to UDP?

Connection-oriented

Unreliable

Transport layer protocol

Low overhead ANSWER A

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Reliable

Low overhead

Fast ANSWER C

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Packets ANSWER A

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bit-by-bit delivery

process to process delivery

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network layer

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TCP and UDP

HTTP and FTP ANSWER C

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Storage lab

Data Center

Data warehouse

Fabric ANSWER B

Which three statements describe differences between Storage Area Network (SAN) and Network Attached Storage (NAS) solutions? Choose three.

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i,ii, iii

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Management

Provisioning

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All of the mentioned ANSWER D

What is the full form of "FTP"?

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The mechanism is used to specifically observe the runtime performance of cloud services to ensure that they are fulfilling the conteactual QoS requirements that are published in SLAs.

ANSWER: SLA Monitor

The data collected by the SLA monitor is processed by an

to be aggregated into SLA reporting metrics. ANSWER: SLA management system

The physical server polling has consecutively timed out three times, this generated event is termed as:

ANSWER: PS\_Unreachable

The previously unavailable physical server becomes responsive to polling again, this generated event is termed as:

ANSWER: PS\_Reachable

The mechanism measures cloud-based IT resource usage in accordance with predefined pricing parameters and generates usage logs for fee calculations and billing purposes.

ANSWER: Pay-Per-Use Monitor

The information that is used to identify the type of pricing model for usage fee calaculations, including pre-paid subscription with usage quota, post-paid subscription with maximum usage quota is termed as:

ANSWER: Cloud Consumer Subscription Type

When usage contracts define IT resource usage quotas, usage event conditions are typically supplemented with quota consumption and updated quota limits. This type of consumption is termed as:

ANSWER: Resource Usage Quota Consumption

A pay-per-use monitor designed as a that transparently intercepts and analyzes runtime communication with a cloud service.

ANSWER: Monitoring Agent

A monitoring agent that collects tracking data for networks and IT resources is Called

ANSWER: Audit Monitor

Which of the following are not Cloud management mechanisms ANSWER: Audit Monitor System

Failover System can be defined as

ANSWER: A system to increase the reliability and availability of IT resources by using established clustering technology to provide redundant implementations

Failover System include ANSWER: Both the mentioned

The monitoring agent that intercepts login requests and stores the requestors security credentials, as well as both failed attempts in a log database for future audit reporting purposes.

ANSWER: Audit Monitor

The mechanism that rely on the resource replication mechanism to supply the redundant IT resource instances is called

ANSWER: Failover systems

he implementation mecahnism used in the failoversystems are ANSWER: Resource replication

DAS-based: periodic synchronization can also be reffered as ANSWER: WORM based

A state management database is a

ANSWER: Storage Device

Storage management database is used to make software programs more ANSWER: scalable

The cloud management mechanism ANSWER: All of the above

The tools and APIs provided by remote administration system are used by ANSWER: Cloud Provider

The task performed by cloud consumers via a remote administration console is/are

ANSWER: All of the above

A is the core of the resource management system that coordinatesthe server hardware so that virtual server instances can be created from the underlying physical server.

ANSWER: virtual infrastructure manager

Which of the following is NOT the task of resource management system ANSWER: monitoring operational conditions of IT resources

A resource management system consist of . ANSWER: VIM platform and VIM image repository

mechanism is used to group multiple IT resource instances so that

they can be operated as single IT resource. ANSWER: Resource Cluster

Above layer a hypervisor is installed.

ANSWER: Physical Layer

Cluster specializes in distributing workloads among cluster nodes to increse IT resource capaacity, while preserving the centralization of IT resource management.

ANSWER: Load balanced Cluster

ia a general purpose portal that centralizes management controls to different cloud-based IT resources.

ANSWER: Usage and Administration Portal

The mechanism is used to specifically observe the runtime performance of cloud services to ensure that they are fulfilling the conteactual QoS requirements that are published in SLAs.

SLA Monitor

Load Balancer

Pay-Per-Use Monitor

Audit Monitor

ANSWER A

The data collected by the SLA monitor is processed by an

to be aggregated into SLA reporting metrics.

SLA administration system

SLA failure system

SLA management system

SLA auditing system

ANSWER C

The physical server polling has consecutively timed out three times, this generated event is termed as:

PS\_Timeout

PS\_Unreachable

PS\_Reachable

VM\_Unreachable

ANSWER B

The previously unavailable physical server becomes responsive to polling again, this generated event is termed as:

VM\_Reachable

PS\_Timeout

PS\_Reachable

VM\_Unreachable

ANSWER C

The mechanism measures cloud-based IT resource usage in accordance with predefined pricing parameters and generates usage logs for fee calculations and billing purposes.

Audit Monitor

SLA Monitor

Automated Scaling Listener

Pay-Per-Use Monitor

ANSWER D

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Resource Usage Quota Consumption

Cloud Consumer Subscription Type

Resource Usage Category

Bandwidth Consumption

ANSWER A

The billing management system uses this information to identify the range of usage fees that are applicable to each usage event. This particular information is termed as:

Resource Usage Quota Consumption

Cloud Consumer Subscription Type

Resource Usage Category

Bandwidth Consumption

ANSWER B

When usage contracts define IT resource usage quotas, usage event conditions are typically supplemented with quota consumption and updated quota limits.

This type of consumption is termed as:

Resource Usage Quota Consumption

Cloud Consumer Subscription Type

Resource Usage Category

Bandwidth Consumption

ANSWER A

A pay-per-use monitor implemented as a used to determine the usage period of a virtual server.

Resource Auditor

Resource Broker

Resource Admin

Resource Agent

ANSWER D

A pay-per-use monitor designed as a that transparently intercepts and analyzes runtime communication with a cloud service.

Resource Auditor

Monitoring Agent

Service Agent

Resource Agent

ANSWER B

A monitoring agent that collects tracking data for networks and IT resources is Called

Load balancer

Audit Monitor

Automated Scaling Listener

Pay-per use Monitor

ANSWER B

Which of the following are not Cloud management mechanisms

Remote Administration system

SLA Management System

Audit Monitor System

Billing Management System

ANSWER C

Failover System can be defined as

A system to increase the reliability and availability of IT resources by using established clustering technology to provide redundant implementations

A resource agent that monitors and keeps track of the runtime performance of cloud services.

The Failure of the system

None of the mentioned

ANSWER A

Failover System include

Only Active-Active

Only Active-Passive

None of the mentioned

Both the mentioned

ANSWER D

The monitoring agent that intercepts login requests and stores the requestors security credentials, as well as both failed attempts in a log database for future audit reporting purposes.

Pay-per-use monitor

SLA Monitor

Audit Monitor

Cloud Usage Monitor

ANSWER C

an virtualization layer used for different user applications managed by their own operating systems (guest OS) can run on the same hardware, independent of the host OS is refereed as

hypervisor

virtual machine monitor

Both the mentioned

None ANSWER: C

Which of the following is another name for the system virtual machine?

hardware virtual machine

software virtual machine

real machine

none of the mentioned ANSWER: A

Which of the following provide system resource access to virtual machines?

VMM

VMC

VNM

all of the mentioned ANSWER: A

Which of the following is Type 1 Hypervisor?

Wind River Simics

Virtual Server 2005 R2

KVM

LynxSecure ANSWER: D

Which of the following type of virtualization is found in hypervisor such as Microsoft’s Hyper-V?

paravirtualization

full virtualization

emulation

none of the mentioned ANSWER: A

In the virtual machine simulates hardware, so it can be independent of the underlying system hardware.

paravirtualization

full virtualization

emulation

none of the mentioned ANSWER: C

Point out the wrong statement.

Full virtualization requires that the host operating system provide a virtual machine interface for the guest operating system and that the guest access hardware through that host VM

Guest operating systems in full virtualization systems are generally faster than other virtualization schemes

a process virtual machine instantiates when a command begins a process

all of the mentioned ANSWER: A

In a scheme, the VM is installed as a Type 1 Hypervisor directly onto the hardware.

paravirtualization

full virtualization

emulation

none of the mentioned ANSWER: B

at the ISa level, virtualization is performed by emulating a given ISa by the ISa of

Virtual machine

Host machine

Guest OS

none of the mentioned ANSWER: B

Hardware-level virtualization is performed right on top of which harware devices

processors

memory

I/O devices

all of the mentioned ANSWER: D

vCUDa which allows applications executing within VMs to leverage GPU hardware acceleration is an exapmle for

hardware abstraction Level

Os-level Level

Library Support Level

User application Level ANSWER: C

The most popular approach which is to deploy high level language (HLL)VMs.

hardware abstraction Level

Os-level Level

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Virtulization can be implemeted in

hardware abstraction Level

Os-level Level

Library Support Level

all the mentioned ANSWER: D

which virtualization implementation level has more application flexibility

hardware abstraction Level

Instrction set architecture level

Library Support Level

User application Level ANSWER: B

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the basic concept of the vCUDa architecture consists of

the vCUDa library

a virtual GPU in the guest OS

vCUDa stub in the host OS

all the mentioned ANSWER: D

noncritical instructions run on the hardware directly while critical instructions are discovered and replaced with traps into the VMM to be emulated by software in

Full Virtualization

para Virtualization

Host- based Virtualization

None ANSWER: A

the type of Virtualization replaces nonvirtualizable instructions with hypercalls that communicate directly with the hypervisor or VMM

Full Virtualization

para Virtualization

Host- based Virtualization

None

ANSWER: B

In Para-Virtualization architecture ring-0 defines

para virualized guest-os

host-os

user apps

virtialization layer ANSWER: A

Which of the following type of virtualization is also characteristic of cloud computing?

Storage

application

CPU

all of the mentioned ANSWER: D

In Para-Virtualization architecture ring-3 defines

para virualized guest-os

host-os

user apps

virtialization layer ANSWER: C

Ring 0 represents In Para-Virtualization architecture

level having most privilege

level having least privilege

None

ANSWER: A

Ring 3 represents In Para-Virtualization architecture

level having most privilege

level having least privilege

None ANSWER: B

KVM (Kernel-Based VM) is a

Full Virtualized system

para Virtualized system

Host- based Virtualized system

None ANSWER: B

hypervisor kernel provides the same functionality as other operating systems, such as process creation, file system management, and process scheduling. It is designed to specifically support multiple virtual machines and to provide core functionalities, such as resource scheduling, I/O stacks, etc.

Hypervisor Components - VMM

Hypervisor Components - Kernel

Resource Control - Share

vSphere Key Components ANSWER: B

All cloud computing applications suffer from the inherent that is intrinsic in their WAN

connectivity. A) Propagation

Latency

Noise

All of the mentioned ANSWER: B

Which term best describes the ability to rapidly increase user accounts for a given cloud service?

Volatility

Synchronicity

Viability

Elasticity ANSWER: D

Your company runs a virtualized web application server in-house. You decide to make the web

applications available over the Internet through a cloud provider. Which method represents the

quickest way to accomplish this?

A) Create a new cloud server, install web services, and install and configure web applications. B) Create a new cloud server, install web services, and import web application data.

C) Migrate your in-house web application server to the cloud

. D) This cannot be done — only generic applications are available through the cloud. ANSWER: C

Purchasing software and providing it to a third party that installs and manages that software is an example of which of the following?

Virtualization

Application service provider

Platform as a service

Private cloud ANSWER: B

You are the IT director for a retail clothing outlet. Your competitors are using Internet-delivered

inventory, storage, and backup solutions from a specific provider. You conclude it is best that your

company use the same services from the same provider. What type of cloud will you be subscribing

to?

Community cloud

Retail cloud

Private cloud

Public cloud ANSWER: A

As a developer for a software company, you have decided to build and test your web applications in a

cloud environment. Which type of cloud service best meets your needs?

PaaS

SaaS

IaaS

Xaas ANSWER: A

What cloud computing characteristic ensures services and data are always reachable?

Confidentiality

Integrity

Availability

Scalability ANSWER: C

You must ensure that your business computing resources can quickly grow as business demands

change. Which of the following allows this?

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Integrity

Availability

Scalability ANSWER: D

Which of the following is most important area of concern in cloud computing ?

Security

Storage

Scalability

None ANSWER: A

Which of the following is one of the unique attribute of Cloud Computing ?

utility type of delivery

elasticity

low barrier to entry

all of the above ANSWER: D

Which of the following cloud concept is related to pooling and sharing of resources ?

Polymorphism

Virtualization

Abstraction

None of the mentioned ANSWER: B

Point out the wrong statement :

A cloud is defined as the combination of the infrastructure of a datacenter with the ability to

provision hardware and software

High touch applications are best done on-premises

The Google App Engine follows IaaS

All of the above ANSWER: C

model consists of the particular types of services that you can access on a cloud

computing platform. A) Service

Deployment

Application

None of the mentioned ANSWER: A

refers to the location and management of the cloud’s infrastructure. A) Service

Deployment

Application

None of the mentioned ANSWER: B

Which of the following is the deployment model?

public

private

hybrid

all of the mentioned ANSWER: D

Point out the correct statement. A) A deployment model defines the purpose of the cloud and the nature of how the cloud is located

Service model defines the purpose of the cloud and the nature of how the cloud is located

Cloud Square Model is meant to show is that the traditional notion of a network boundary being the network’s firewall no longer applies in cloud computing

All of the mentioned ANSWER: A

The cloud infrastructure is operated for the exclusive use of an organization. A) Public

Private

Community

All of the mentioned ANSWER: B

provides virtual machines, virtual storage, virtual infrastructure, and other hardware assets. A) IaaS

SaaS

PaaS

All of the mentioned ANSWER: A

Point out the wrong statement. A) A PaaS service adds integration features, middleware, and other orchestration and choreography

services to the IaaS model

XaaS or ‘anything as a service’ is the delivery of IT as a Service through hybrid Cloud computing

Monitoring as a Service (MaaS) is at present still an emerging piece of the Cloud jigsaw

None of the mentioned ANSWER: D

With cloud computing services, hardware purchases, software purchases, and IT support are the

responsibility of whom?

Internet service provider

RraaS provider

SaaS provider

Application service provider ANSWER: C

When you add a software stack, such as an operating system and applications to the service, the

model shifts to model. A) SaaS

PaaS

IaaS

All of the mentioned ANSWER: A

Which of the following is most refined and restrictive service model ?

IaaS

CaaS

PaaS

All of the mentioned ANSWER: C

All cloud computing applications suffer from the inherent that is intrinsic in their WAN

connectivity.

propagation

latency

noise

All of the mentioned ANSWER: B

Cloud computing is a system and it is necessarily unidirectional in nature.

stateless

stateful

reliable

None of the above ANSWER: A

Which of the following is best known service model ?

SaaS

IaaS

PaaS

All of the mentioned ANSWER: D

Which of the following is related to service provided by Cloud ?

Sourcing

Ownership

Reliability

AaaS ANSWER: A

is a complete operating environment with applications, management, and the user interface. A) IaaS

SaaS

PaaS

All of the mentioned ANSWER: B

Which of the following cloud concept is related to pooling and sharing of resources ?

Polymorphism

Abstraction

Virtualization

None of the mentioned ANSWER: C

A Level Agreement (SLA) is the contract for performance negotiated between you

and a

service provider. A) Service

Application

Deployment

All of the mentioned ANSWER: A

Which of the following is specified parameter of SLA ?

Response times

Responsibilities of each party

Warranties

All of the mentioned ANSWER: D

Which of the architectural layer is used as backend in cloud computing ?

client

cloud

soft

All of the mentioned ANSWER: B

A cloud requires virtualized storage to support the staging and storage of data. A) soft

compute

local

None of the mentioned ANSWER: B

Point out the wrong statement :

Virtual appliances are becoming a very important standard cloud computing deployment object

Cloud computing requires some standard protocols

Cloud computing relies on a set of protocols needed to manage interprocess communications

None of the mentioned ANSWER: D

Which of the following is Cloud Platform by Amazon ?

Azure

AWS

Cloudera

All of the mentioned ANSWER: D

Cloud computing is an abstraction based on the notion of pooling physical resources and presenting

them as a resource. A) real

virtual

cloud

None of the mentioned ANSWER: B

Which of the following cloud concept is related to pooling and sharing of resources ?

Polymorphism

Abstraction

Virtualization

None of the mentioned ANSWER:C

Which of the following type of virtualization is also characteristic of cloud computing?

Storage

Application

CPU

All of the Above ANSWER: D

What facet of cloud computing helps to guard against downtime and determines costs?

Service-level agreements

Application programming interfaces

Virtual private networks

Bandwidth fees ANSWER: A

Cloud Services have a relationship with their customers.A) Many-to-many

One-to-many

One-to-one

None of the Name ANSWER: B

What’s the most popular use case for public cloud computing today?

Test and development

Website hosting

Disaster recovery

Business analytics ANSWER: A

Virtual Machine Ware (VMware) is an example of

Infrastructure Service

Platform Service

Software Service

None of the above ANSWER: A

Geographic distribution of data across a cloud provider's network is a problem for many

enterprises because it:

Makes data recovery harder

Adds latency

Raises security concerns

Breaks compliance regulations ANSWER: A

Amazon Web Services is which type of cloud computing distribution model?

Software as a Service

Platform as a Service

Infrastructure as a Service

Software software as a service ANSWER: C

Cloud computing networks are designed to support only private or hybrid clouds.

True

False ANSWER: B

A good cloud computing network can be adjusted to provide bandwidth on demand.

True

False ANSWER: A

A larger cloud network can be built as either a layer 3 or layer 4 network. A) True

B) False ANSWER: B

The typical three-layer switching topology will not create latency within a cloud network. A) True

B) False

ANSWER: B

The term 'Cloud' in cloud-computing refers to .

The Internet

Cumulus Clouds

A Computer

Thin Clients ANSWER: A

allows different operating systems to run in their own memory space.

VVM

VMC

VMM

All of the mentioned ANSWER: C

as a Service is a cloud computing infrastructure that creates a development

environment

upon which applications may be build. A) Infrastructure

Platform

Service

All of the mentioned ANSWER: B

Which of the following cloud concept is related to pooling and sharing of resources ?

Polymorphism

Abstraction

Virtualization

None of the mentioned ANSWER: C

Logical Network Perimeter can be implemented to

isolate IT resources in a cloud from non-authorized users

isolate IT resources in a cloud from non-users

isolate IT resources in a cloud from cloud consumers

all of the above Answer: D

A is a form of virtualization software that emaluates a physical server.

virtual server

physical server

hybrid server

none of the above Answer: A

Point out the wrong statement. A) Abstraction enables the key benefit of cloud computing: shared, ubiquitous access

Virtualization assigns a logical name for a physical resource and then provides a pointer to that physical resource when a request is made

All cloud computing applications combine their resources into pools that can be assigned on

demand to users

All of the mentioned ANSWER: C

Which of the following type of virtualization is also characteristic of cloud computing?

Storage

Application

CPU

All of the mentioned ANSWER: D

Point out the correct statement. A) A client can request access to a cloud service from any location

A cloud has multiple application instances and directs requests to an instance based on conditions

Computers can be partitioned into a set of virtual machines with each machine being assigned a

workload

All of the mentioned ANSWER: D

Which of the following network resources can be load balanced?

Connections through intelligent switches

DNS

Storage resources

All of the mentioned ANSWER: D

Which of the following type of virtualization is also characteristic of cloud computing ?

Storage

Application

CPU

All of the mentioned ANSWER: D

Point out the correct statement :

A client can request access to a cloud service from any location

A cloud has multiple application instances and directs requests to an instance based on conditions

Computers can be partitioned into a set of virtual machines with each machine being assigned a

workload

All of the mentioned ANSWER: D

Which of the following is another name for system virtual machine ? A hardware virtual machine

software virtual machine

real machine

None of the mentioned ANSWER: A

A is a form of virtualization software that emaluates a physical server.

virtual server

physical server

hybrid server

none of the above ANSWER: A

The IT resource that isolates the network environment within the data center infrastructure is called:

Virtual Firewall

Virtual Network

Both of the mentioned

None of the mentioned ANSWER: B

A virtual server is a form of virtualization software that emulates:

Virtual network

Physical Server

IT Resource

None of the mentioned ANSWER: B

Which mechanism is used to replicate several instances of a virtual server, using a stored virtual

server image. A) Hyperviser

Virtualization

Cloud Auditor

None of the mentioned ANSWER: A

Internet works on A) packet switching

circuit switching

both packet switching and circuit switching

data switching ANSWER: A

Which protocol assigns IP address to the client connected in the internet?

DHCP

IP

RPC

RSVP ANSWER: A

A is an extension of an enterprise’s private intranet across a public network such as the

internet, creating a secure private connection. A) VNP

VPN

VSN

VSPN ANSWER: B

Which of the following is false with respect to UDP?

Connection-oriented

Unreliable

Transport layer protocol

Low overhead ANSWER: A

What is the main advantage of UDP?

More overload

Reliable

Low overhead

Fast ANSWER: C

Which of the following is false with respect to TCP?

Connection-oriented

Process-to-process

Transport layer protocol

Unreliable ANSWER: D

In TCP, sending and receiving data is done as A) Stream of bytes

Sequence of characters

Lines of data

Packets ANSWER: A

The physical layer is concerned with A) bit-by-bit delivery

process to process delivery

application to application delivery

port to port delivery ANSWER: A

The data link layer takes the packets from and encapsulates them into frames for

transmission. A) network layer

physical layer

transport layer

application layer ANSWER: A

The network layer is concerned with of data. A) bits

frames

packets

bytes ANSWER: C

Transport layer aggregates data from different applications into a single stream before passing it to

A) network layer

data link layer

application layer

physical layer ANSWER: A

Which of the following are transport layer protocols used in networking?

TCP and FTP

UDP and HTTP

TCP and UDP

HTTP and FTP ANSWER: C

This is a repository for the storage, management, and dissemination of data in which the mechanical,

lighting, electrical and computer systems are designed for maximum energy efficiency and minimum

environmental impact. A) Storage lab

Data Center

Data warehouse

Fabric ANSWER: B

Which three statements describe differences between Storage Area Network (SAN) and Network

Attached Storage (NAS) solutions? Choose three.

SAN is generally more expensive but provides higher performance

NAS uses TCP/IP for communication between hosts and the NAS server

NAS requires additional hardware on a host: a host bus adapter for connectivity

SAN uses proprietary protocols for communication between hosts and the SAN fabric

i,ii, iii

i, ii, iv

ii, iii, iv

i, ii, iii ANSWER: B

Resource is defined as the creation of multiple instances of the same IT resource. A) Management

Provisioning

Replication

Allocation ANSWER: C

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An IT resource that actively filters network traffic to and from the isolated network while controlling

its interactions with the Internet. A) Virtual Firewall

Virtual Network

Both of the mentioned

None of the mentioned ANSWER: A

Point out the correct statement. a) A virtual machine is a computer that is walled off from the physical computer that the virtual

machine

is running on

Virtual machines provide the capability of running multiple machine instances, each with their own

operating system

The downside of virtual machine technologies is that having resources indirectly addressed means

there is some level of overhead

All of the mentioned ANSWER: D

What is the full form of "FTP"?

File Tranmitting Protocol

File Transfer Protocol

Fast Transfer Protocol

Fast Transmitting Project ANSWER: B

What is the full form of "HTTP"?

High Transfer Terra Page

Higher Transfer Technology Protocol

Hypertext Transfer Protocol

Hive Type Terminal Protocol What is the full form of "ISP"?

Internet Service Provider

Internal Service Processor

International Server Provider

Internet System Processor ANSWER: A

What is the full form of "OSI"?

Organisational Server Interface

Open Server Interconnection

Operating System Interface

Open System Interconnection ANSWER: D

What is the full form of "SMTP"?

Structured Mail Transfer Protocol

Simple Mail Transmitting Protocol

Simple Mail Transfer Protocol

Server Mail Transfer Protocol ANSWER: C

In SAN storage model, the operating system view storage resources as —— devices

FC

SCSI

SAN

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Unit 4 nav

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Abstraction

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Deployment

Application

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Service

Deployment

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hybrid

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XaaS or ‘anything as a service’ is the delivery of IT as a Service through hybrid Cloud computing

Monitoring as a Service (MaaS) is at present still an emerging piece of the Cloud jigsaw

None of the mentioned ANSWER: D

With cloud computing services, hardware purchases, software purchases, and IT support are the responsibility of whom?

Internet service provider

RraaS provider

SaaS provider

Application service provider ANSWER: C

When you add a software stack, such as an operating system and applications to the service, the model shifts to model.

SaaS

PaaS

IaaS

All of the mentioned ANSWER: A

Which of the following is most refined and restrictive service model ?

IaaS

CaaS

PaaS

All of the mentioned ANSWER: C

All cloud computing applications suffer from the inherent that is intrinsic in

their WAN connectivity.

propagation

latency

noise

All of the mentioned ANSWER: B

Cloud computing is a system and it is necessarily unidirectional in nature.

stateless

stateful

reliable

None of the above ANSWER: A

Which of the following is best known service model ?

SaaS

IaaS

PaaS

All of the mentioned ANSWER: D

Which of the following is related to service provided by Cloud ?

Sourcing

Ownership

Reliability

AaaS ANSWER: A

----------- is a complete operating environment with applications, management, and the user interface.

IaaS

SaaS

PaaS

All of the mentioned ANSWER: B

Which of the following cloud concept is related to pooling and sharing of resources ?

Polymorphism

Abstraction

Virtualization

None of the mentioned ANSWER: C

A Level Agreement (SLA) is the contract for performance negotiated between you and a service provider.

Service

Application

Deployment

All of the mentioned ANSWER: A

Which of the following is specified parameter of SLA ?

Response times

Responsibilities of each party

Warranties

All of the mentioned ANSWER: D

Which of the architectural layer is used as backend in cloud computing ?

client

cloud

soft

All of the mentioned ANSWER: B

A--------- cloud requires virtualized storage to support the staging and storage of data.

soft

compute

local

None of the mentioned ANSWER: B

Point out the wrong statement :

Virtual appliances are becoming a very important standard cloud computing deployment object

Cloud computing requires some standard protocols

Cloud computing relies on a set of protocols needed to manage interprocess communications

None of the mentioned ANSWER: D

Which of the following is Cloud Platform by Amazon ?

Azure

AWS

Cloudera

All of the mentioned

ANSWER: D

Cloud computing is an abstraction based on the notion of pooling physical resources and presenting them as a resource.

real

virtual

cloud

None of the mentioned ANSWER: B

Which of the following cloud concept is related to pooling and sharing of resources ?

Polymorphism

Abstraction

Virtualization

None of the mentioned ANSWER:C

Which of the following type of virtualization is also characteristic of cloud computing?

Storage

Application

CPU

All of the Above ANSWER: D

What facet of cloud computing helps to guard against downtime and determines costs?

Service-level agreements

Application programming interfaces

Virtual private networks

Bandwidth fees ANSWER: A

Cloud Services have a relationship with their customers.

Many-to-many

One-to-many

One-to-one

None of the Name ANSWER: B

What’s the most popular use case for public cloud computing today?

Test and development

Website hosting

Disaster recovery

Business analytics ANSWER: A

Virtual Machine Ware (VMware) is an example of

Infrastructure Service

Platform Service

Software Service

None of the above ANSWER: A

Geographic distribution of data across a cloud provider's network is a problem for many enterprises because it:

Makes data recovery harder

Adds latency

Raises security concerns

Breaks compliance regulations ANSWER: A

Amazon Web Services is which type of cloud computing distribution model?

Software as a Service

Platform as a Service

Infrastructure as a Service

Software software as a service ANSWER: C

Cloud computing networks are designed to support only private or hybrid clouds.

True

False ANSWER: B

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True

False ANSWER: A

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VVM

VMC

VMM

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All of the mentioned ANSWER: B

Which of the following cloud concept is related to pooling and sharing of resources ?

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Virtualization

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isolate IT resources in a cloud from cloud consumers

all of the above Answer: D

A -------- is a form of virtualization software that emaluates a physical server.

virtual server

physical server

hybrid server

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Point out the wrong statement.

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Virtualization assigns a logical name for a physical resource and then provides a pointer to that physical resource when a request is made

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Which of the following is another name for system virtual machine ? A hardware virtual machine

software virtual machine

real machine

None of the mentioned ANSWER: A

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virtual server

physical server

hybrid server

none of the above ANSWER: A

The IT resource that isolates the network environment within the data center infrastructure is called:

Virtual Firewall

Virtual Network

Both of the mentioned

None of the mentioned ANSWER: B

A virtual server is a form of virtualization software that emulates:

Virtual network

Physical Server

IT Resource

None of the mentioned ANSWER: B

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Hyperviser

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network layer

physical layer

transport layer

application layer ANSWER: A

The network layer is concerned with of data.

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frames

packets

bytes ANSWER: C

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physical layer ANSWER: A

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UDP and HTTP

TCP and UDP

HTTP and FTP ANSWER: C

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Storage lab

Data Center

Data warehouse

Fabric ANSWER: B

Which three statements describe differences between Storage Area Network (SAN) and Network Attached Storage (NAS) solutions? Choose three.

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i,ii, iii

i, ii, iv

ii, iii, iv

i, ii, iii ANSWER: B

Resource is defined as the creation of multiple instances of the same IT resource.

Management

Provisioning

Replication

Allocation ANSWER: C

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The downside of virtual machine technologies is that having resources indirectly addressed means there is some level of overhead

All of the mentioned ANSWER: D

What is the full form of "FTP"?

File Tranmitting Protocol

File Transfer Protocol

Fast Transfer Protocol

Fast Transmitting Project ANSWER: B

What is the full form of "HTTP"?

High Transfer Terra Page

Higher Transfer Technology Protocol

Hypertext Transfer Protocol

Hive Type Terminal Protocol ANSWER C

What is the full form of "ISP"?

Internet Service Provider

Internal Service Processor

International Server Provider

Internet System Processor ANSWER: A

What is the full form of "OSI"?

Organisational Server Interface

Open Server Interconnection

Operating System Interface

Open System Interconnection ANSWER: D

What is the full form of "SMTP"?

Structured Mail Transfer Protocol

Simple Mail Transmitting Protocol

Simple Mail Transfer Protocol

Server Mail Transfer Protocol ANSWER: C

In SAN storage model, the operating system view storage resources as —— devices

FC

SCSI

SAN

None of the mentioned ANSWER: B

All cloud computing applications suffer from the inherent that is intrinsic in their WAN connectivity.

Propagation

Latency

Noise

All of the mentioned ANSWER B

Which term best describes the ability to rapidly increase user accounts for a given cloud service?

Volatility

Synchronicity

Viability

Elasticity ANSWER D

Your company runs a virtualized web application server in-house. You decide to make the web applications available over the Internet through a cloud provider. Which method represents the quickest way to accomplish this?

Create a new cloud server, install web services, and install and configure web applications.

Create a new cloud server, install web services, and import web application data.

Migrate your in-house web application server to the cloud.

This cannot be done — only generic applications are available through the cloud.

ANSWER C

Purchasing software and providing it to a third party that installs and manages that software is an example of which of the following?

Virtualization

Application service provider

Platform as a service

Private cloud ANSWER B

You are the IT director for a retail clothing outlet. Your competitors are using Internet-delivered inventory, storage, and backup solutions from a specific provider. You conclude it is best that your company use the same services from the same provider. What type of cloud will you be subscribing to?

Community cloud

Retail cloud

Private cloud

Public cloud ANSWER A

As a developer for a software company, you have decided to build and test your web applications in a cloud environment. Which type of cloud service best meets your needs?

PaaS

SaaS

IaaS

Xaas ANSWER A

What cloud computing characteristic ensures services and data are always reachable?

Confidentiality

Integrity

Availability

Scalability ANSWER C

You must ensure that your business computing resources can quickly grow as business demands change. Which of the following allows this?

Confidentiality

Integrity

Availability

Scalability ANSWER D

Which of the following is most important area of concern in cloud computing ?

Security

Storage

Scalability

None ANSWER A

Which of the following is one of the unique attribute of Cloud Computing ?

utility type of delivery

elasticity

low barrier to entry

all of the above ANSWER D

Which of the following cloud concept is related to pooling and sharing of resources ?

Polymorphism

Virtualization

Abstraction

None of the mentioned ANSWER B

Point out the wrong statement :

A cloud is defined as the combination of the infrastructure of a datacenter with the ability to provision hardware and software

High touch applications are best done on-premises

The Google App Engine follows IaaS

All of the above ANSWER C

model consists of the particular types of services that you can access on a cloud computing platform.

Service

Deployment

Application

None of the mentioned ANSWER A

refers to the location and management of the cloud’s infrastructure.

Service

Deployment

Application

None of the mentioned ANSWER B

Which of the following is the deployment model?

public

private

hybrid

all of the mentioned ANSWER D

Point out the correct statement.

A deployment model defines the purpose of the cloud and the nature of how the cloud is located

Service model defines the purpose of the cloud and the nature of how the cloud is located

Cloud Square Model is meant to show is that the traditional notion of a network boundary being the network’s firewall no longer applies in cloud computing

All of the mentioned ANSWER A

The cloud infrastructure is operated for the exclusive use of an organization.

Public

Private

Community

All of the mentioned ANSWER B

provides virtual machines, virtual storage, virtual infrastructure, and other hardware assets.

IaaS

SaaS

PaaS

All of the mentioned ANSWER A

Point out the wrong statement.

A PaaS service adds integration features, middleware, and other orchestration and choreography services to the IaaS model

XaaS or ‘anything as a service’ is the delivery of IT as a Service through hybrid Cloud computing

Monitoring as a Service (MaaS) is at present still an emerging piece of the Cloud jigsaw

None of the mentioned ANSWER D

With cloud computing services, hardware purchases, software purchases, and IT support are the responsibility of whom?

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RraaS provider

SaaS provider

Application service provider ANSWER C

When you add a software stack, such as an operating system and applications to the service, the model shifts to model.

SaaS

PaaS

IaaS

All of the mentioned ANSWER A

Which of the following is most refined and restrictive service model ?

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CaaS

PaaS

All of the mentioned ANSWER C

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latency

noise

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stateless

stateful

reliable

None of the above ANSWER A

Which of the following is best known service model ?

SaaS

IaaS

PaaS

All of the mentioned ANSWER D

Which of the following is related to service provided by Cloud ?

Sourcing

Ownership

Reliability

AaaS ANSWER A

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IaaS

SaaS

PaaS

All of the mentioned ANSWER B

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Polymorphism

Abstraction

Virtualization

None of the mentioned ANSWER C

A Level Agreement (SLA) is the contract for performance negotiated between you and a service provider.

Service

Application

Deployment

All of the mentioned ANSWER A

Which of the following is specified parameter of SLA ?

Response times

Responsibilities of each party

Warranties

All of the mentioned ANSWER D

Which of the architectural layer is used as backend in cloud computing ?

client

cloud

soft

All of the mentioned ANSWER B

A cloud requires virtualized storage to support the staging and storage of data.

soft

compute

local

None of the mentioned ANSWER B

Point out the wrong statement :

Virtual appliances are becoming a very important standard cloud computing deployment object

Cloud computing requires some standard protocols

Cloud computing relies on a set of protocols needed to manage interprocess communications

None of the mentioned ANSWER D

Which of the following is Cloud Platform by Amazon ?

Azure

AWS

Cloudera

All of the mentioned ANSWER B

Cloud computing is an abstraction based on the notion of pooling physical resources and presenting them as a resource.

real

virtual

cloud

None of the mentioned ANSWER B

Which of the following cloud concept is related to pooling and sharing of resources ?

Polymorphism

Abstraction

Virtualization

None of the mentioned ANSWER C

Which of the following type of virtualization is also characteristic of cloud computing?

Storage

Application

CPU

All of the Above ANSWER D

What facet of cloud computing helps to guard against downtime and determines costs?

Service-level agreements

Application programming interfaces

Virtual private networks

Bandwidth fees ANSWER A

Cloud Services have a relationship with their customers.

Many-to-many

One-to-many

One-to-one

None of the Name ANSWER B

What’s the most popular use case for public cloud computing today?

Test and development

Website hosting

Disaster recovery

Business analytics ANSWER A

Virtual Machine Ware (VMware) is an example of

Infrastructure Service

Platform Service

Software Service

None of the above ANSWER A

Geographic distribution of data across a cloud provider's network is a problem for many enterprises because it:

Makes data recovery harder

Adds latency

Raises security concerns

Breaks compliance regulations ANSWER D

Amazon Web Services is which type of cloud computing distribution model?

Software as a Service

Platform as a Service

Infrastructure as a Service

Software software as a service ANSWER C

Cloud computing networks are designed to support only private or hybrid clouds.

True

False ANSWER B

A good cloud computing network can be adjusted to provide bandwidth on demand.

True

False ANSWER A

A larger cloud network can be built as either a layer 3 or layer 4 network.

True

False ANSWER B

The typical three-layer switching topology will not create latency within a cloud network.

True

False ANSWER B

The term 'Cloud' in cloud-computing refers to .

The Internet

Cumulus Clouds

A Computer

Thin Clients ANSWER A

allows different operating systems to run in their own memory space.

VVM

VMC

VMM

All of the mentioned ANSWER C

as a Service is a cloud computing infrastructure that creates a development environment upon which applications may be build.

Infrastructure

Platform

Service

All of the mentioned ANSWER B

Which of the following cloud concept is related to pooling and sharing of resources ?

Polymorphism

Abstraction

Virtualization

None of the mentioned ANSWER C

Logical Network Perimeter can be implemented to

isolate IT resources in a cloud from non-authorized users

isolate IT resources in a cloud from non-users

isolate IT resources in a cloud from cloud consumers

all of the above ANSWER D

A is a form of virtualization software that emaluates a physical server.

virtual server

physical server

hybrid server

none of the above ANSWER A

Point out the wrong statement.

Abstraction enables the key benefit of cloud computing: shared, ubiquitous access

Virtualization assigns a logical name for a physical resource and then provides a pointer to that physical resource then a request is made

All cloud computing applications combine their resources into pools that can be assigned on demand to users

All of the mentioned ANSWER C

Which of the following type of virtualization is also characteristic of cloud computing?

Storage

Application

CPU

All of the mentioned ANSWER D

Point out the correct statement.

A client can request access to a cloud service from any location

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Computers can be partitioned into a set of virtual machines with each machine being assigned a workload

All of the mentioned ANSWER D

Which of the following network resources can be load balanced?

Connections through intelligent switches

DNS

Storage resources

All of the mentioned ANSWER D

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Computers can be partitioned into a set of virtual machines with each machine being assigned a workload

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Which of the following is another name for system virtual machine ?

A hardware virtual machine

B) software virtual machine

C) real machine

D) None of the mentioned ANSWER A

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virtual server

physical server

hybrid server

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The IT resource that isolates the network environment within the data center infrastructure is called:

Virtual Firewall

Virtual Network

Both of the mentioned

None of the mentioned ANSWER B

A virtual server is a form of virtualization software that emulates:

Virtual network

Physical Server

IT Resource

None of the mentioned ANSWER B

Which mechanism is used to replicate several instances of a virtual server, using a stored virtual server image.

Hyperviser

Virtualization

Cloud Auditor

None of the mentioned ANSWER A

Internet works on

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both packet switching and circuit switching

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Which protocol assigns IP address to the client connected in the internet?

DHCP

IP

RPC

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A is an extension of an enterprise’s private intranet across a public network such as the internet, creating a secure private connection.

VNP

VPN

VSN

VSPN ANSWER B

Which of the following is false with respect to UDP?

Connection-oriented

Unreliable

Transport layer protocol

Low overhead ANSWER A

What is the main advantage of UDP?

More overload

Reliable

Low overhead

Fast ANSWER C

Which of the following is false with respect to TCP?

Connection-oriented

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Transport layer protocol

Unreliable ANSWER D

In TCP, sending and receiving data is done as

Stream of bytes

Sequence of characters

Lines of data

Packets ANSWER A

The physical layer is concerned with

bit-by-bit delivery

process to process delivery

application to application delivery

port to port delivery ANSWER A

The data link layer takes the packets from and encapsulates them into frames for transmission.

network layer

physical layer

transport layer

application layer ANSWER A

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bits

frames

packets

bytes ANSWER C

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network layer

data link layer

application layer

physical layer ANSWER A

Which of the following are transport layer protocols used in networking?

TCP and FTP

UDP and HTTP

TCP and UDP

HTTP and FTP ANSWER C

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Storage lab

Data Center

Data warehouse

Fabric ANSWER B

Which three statements describe differences between Storage Area Network (SAN) and Network Attached Storage (NAS) solutions? Choose three.

SAN is generally more expensive but provides higher performance

NAS uses TCP/IP for communication between hosts and the NAS server

NAS requires additional hardware on a host: a host bus adapter for connectivity

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i,ii, iii

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Resource is defined as the creation of multiple instances of the same IT resource.

Management

Provisioning

Replication

Allocation ANSWER C

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CPU

All of the mentioned ANSWER: D

An IT resource that actively filters network traffic to and from the isolated network while controlling its interactions with the Internet.

Virtual Firewall

Virtual Network

Both of the mentioned

None of the mentioned ANSWER: A

Point out the correct statement.

A virtual machine is a computer that is walled off from the physical computer that the virtual machine

is running on

Virtual machines provide the capability of running multiple machine instances, each with their own operating system

The downside of virtual machine technologies is that having resources indirectly addressed means there is some level of overhead

All of the mentioned ANSWER: D

What is the full form of "FTP"?

File Tranmitting Protocol

File Transfer Protocol

Fast Transfer Protocol

Fast Transmitting Project ANSWER: B

What is the full form of "HTTP"?

High Transfer Terra Page

Higher Transfer Technology Protocol

Hypertext Transfer Protocol

Hive Type Terminal Protocol ANSWER: C

What is the full form of "ISP"?

Internet Service Provider

Internal Service Processor

International Server Provider

Internet System Processor ANSWER: A

The mechanism is used to specifically observe the runtime performance of cloud services to ensure that they are fulfilling the conteactual QoS requirements that are published in SLAs.

ANSWER: SLA Monitor

The data collected by the SLA monitor is processed by an

to be aggregated into SLA reporting metrics. ANSWER: SLA management system

The physical server polling has consecutively timed out three times, this generated event is termed as:

ANSWER: PS\_Unreachable

The previously unavailable physical server becomes responsive to polling again, this generated event is termed as:

ANSWER: PS\_Reachable

The mechanism measures cloud-based IT resource usage in accordance with predefined pricing parameters and generates usage logs for fee calculations and billing purposes.

ANSWER: Pay-Per-Use Monitor

The information that is used to identify the type of pricing model for usage fee calaculations, including pre-paid subscription with usage quota, post-paid subscription with maximum usage quota is termed as:

ANSWER: Cloud Consumer Subscription Type

When usage contracts define IT resource usage quotas, usage event conditions are typically supplemented with quota consumption and updated quota limits. This type of consumption is termed as:

ANSWER: Resource Usage Quota Consumption

A pay-per-use monitor designed as a that transparently intercepts and analyzes runtime communication with a cloud service.

ANSWER: Monitoring Agent

A monitoring agent that collects tracking data for networks and IT resources is Called

ANSWER: Audit Monitor

Which of the following are not Cloud management mechanisms ANSWER: Audit Monitor System

Failover System can be defined as

ANSWER: A system to increase the reliability and availability of IT resources by using established clustering technology to provide redundant implementations

Failover System include ANSWER: Both the mentioned

The monitoring agent that intercepts login requests and stores the requestors security credentials, as well as both failed attempts in a log database for future audit reporting purposes.

ANSWER: Audit Monitor

The mechanism that rely on the resource replication mechanism to supply the redundant IT resource instances is called

ANSWER: Failover systems

he implementation mecahnism used in the failoversystems are ANSWER: Resource replication

DAS-based: periodic synchronization can also be reffered as ANSWER: WORM based

A state management database is a ANSWER: Storage Device

Storage management database is used to make software programs more ANSWER: scalable

The cloud management mechanism ANSWER: All of the above

The tools and APIs provided by remote administration system are used by ANSWER: Cloud Provider

The task performed by cloud consumers via a remote administration console is/are

ANSWER: All of the above

A is the core of the resource management system that coordinatesthe server hardware so that virtual server instances can be created from the underlying physical server.

ANSWER: virtual infrastructure manager

Which of the following is NOT the task of resource management system ANSWER: monitoring operational conditions of IT resources

A resource management system consist of . ANSWER: VIM platform and VIM image repository

mechanism is used to group multiple IT resource instances so that

they can be operated as single IT resource. ANSWER: Resource Cluster

Above layer a hypervisor is installed.

ANSWER: Physical Layer

Cluster specializes in distributing workloads among cluster nodes to increse IT resource capaacity, while preserving the centralization of IT resource management.

ANSWER: Load balanced Cluster

ia a general purpose portal that centralizes management controls to different cloud-based IT resources.

ANSWER: Usage and Administration Portal

The mechanism is used to specifically observe the runtime performance of cloud services to ensure that they are fulfilling the conteactual QoS requirements that are published in SLAs.

SLA Monitor

Load Balancer

Pay-Per-Use Monitor

Audit Monitor

ANSWER A

The data collected by the SLA monitor is processed by an

to be aggregated into SLA reporting metrics.

SLA administration system

SLA failure system

SLA management system

SLA auditing system

ANSWER C

The physical server polling has consecutively timed out three times, this generated event is termed as:

PS\_Timeout

PS\_Unreachable

PS\_Reachable

VM\_Unreachable

ANSWER B

The previously unavailable physical server becomes responsive to polling again, this generated event is termed as:

VM\_Reachable

PS\_Timeout

PS\_Reachable

VM\_Unreachable

ANSWER C

The mechanism measures cloud-based IT resource usage in accordance with predefined pricing parameters and generates usage logs for fee calculations and billing purposes.

Audit Monitor

SLA Monitor

Automated Scaling Listener

Pay-Per-Use Monitor

ANSWER D

!!!!The information that is used to identify the type of pricing model for usage fee calaculations, including pre-paid subscription with usage quota, post-paid subscription with maximum usage quota is termed as:

Resource Usage Quota Consumption

Cloud Consumer Subscription Type

Resource Usage Category

Bandwidth Consumption

ANSWER A

The billing management system uses this information to identify the range of usage fees that are applicable to each usage event. This particular information is termed as:

Resource Usage Quota Consumption

Cloud Consumer Subscription Type

Resource Usage Category

Bandwidth Consumption

ANSWER B

When usage contracts define IT resource usage quotas, usage event conditions are typically supplemented with quota consumption and updated quota limits.

This type of consumption is termed as:

Resource Usage Quota Consumption

Cloud Consumer Subscription Type

Resource Usage Category

Bandwidth Consumption

ANSWER A

A pay-per-use monitor implemented as a used to determine the usage period of a virtual server.

Resource Auditor

Resource Broker

Resource Admin

Resource Agent

ANSWER D

A pay-per-use monitor designed as a that transparently intercepts and analyzes runtime communication with a cloud service.

Resource Auditor

Monitoring Agent

Service Agent

Resource Agent

ANSWER B

A monitoring agent that collects tracking data for networks and IT resources is Called

Load balancer

Audit Monitor

Automated Scaling Listener

Pay-per use Monitor

ANSWER B

Which of the following are not Cloud management mechanisms

Remote Administration system

SLA Management System

Audit Monitor System

Billing Management System

ANSWER C

Failover System can be defined as

A system to increase the reliability and availability of IT resources by using established clustering technology to provide redundant implementations

A resource agent that monitors and keeps track of the runtime performance of cloud services.

The Failure of the system

None of the mentioned

ANSWER A

Failover System include

Only Active-Active

Only Active-Passive

None of the mentioned

Both the mentioned

ANSWER D

The monitoring agent that intercepts login requests and stores the requestors security credentials, as well as both failed attempts in a log database for future audit reporting purposes.

Pay-per-use monitor

SLA Monitor

Audit Monitor

Cloud Usage Monitor

ANSWER C

an virtualization layer used for different user applications managed by their own operating systems (guest OS) can run on the same hardware, independent of the host OS is refereed as

hypervisor

virtual machine monitor

Both the mentioned

None ANSWER: C

Which of the following is another name for the system virtual machine?

hardware virtual machine

software virtual machine

real machine

none of the mentioned ANSWER: A

Which of the following provide system resource access to virtual machines?

VMM

VMC

VNM

all of the mentioned ANSWER: A

Which of the following is Type 1 Hypervisor?

Wind River Simics

Virtual Server 2005 R2

KVM

LynxSecure ANSWER: D

Which of the following type of virtualization is found in hypervisor such as Microsoft’s Hyper-V?

paravirtualization

full virtualization

emulation

none of the mentioned ANSWER: A

In the virtual machine simulates hardware, so it can be independent of the underlying system hardware.

paravirtualization

full virtualization

emulation

none of the mentioned ANSWER: C

Point out the wrong statement.

Full virtualization requires that the host operating system provide a virtual machine interface for the guest operating system and that the guest access hardware through that host VM

Guest operating systems in full virtualization systems are generally faster than other virtualization schemes

a process virtual machine instantiates when a command begins a process

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In a scheme, the VM is installed as a Type 1 Hypervisor directly onto the hardware.

paravirtualization

full virtualization

emulation

none of the mentioned ANSWER: B

at the ISa level, virtualization is performed by emulating a given ISa by the ISa of

Virtual machine

Host machine

Guest OS

none of the mentioned ANSWER: B

Hardware-level virtualization is performed right on top of which harware devices

processors

memory

I/O devices

all of the mentioned ANSWER: D

vCUDa which allows applications executing within VMs to leverage GPU hardware acceleration is an exapmle for

hardware abstraction Level

Os-level Level

Library Support Level

User application Level ANSWER: C

The most popular approach which is to deploy high level language (HLL)VMs.

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Os-level Level

Library Support Level

User application Level ANSWER: D

Virtulization can be implemeted in

hardware abstraction Level

Os-level Level

Library Support Level

all the mentioned ANSWER: D

which virtualization implementation level has more application flexibility

hardware abstraction Level

Instrction set architecture level

Library Support Level

User application Level ANSWER: B

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Instrction set architecture level

Library Support Level

User application Level ANSWER: A

the basic concept of the vCUDa architecture consists of

the vCUDa library

a virtual GPU in the guest OS

vCUDa stub in the host OS

all the mentioned ANSWER: D

noncritical instructions run on the hardware directly while critical instructions are discovered and replaced with traps into the VMM to be emulated by software in

Full Virtualization

para Virtualization

Host- based Virtualization

None ANSWER: A

the type of Virtualization replaces nonvirtualizable instructions with hypercalls that communicate directly with the hypervisor or VMM

Full Virtualization

para Virtualization

Host- based Virtualization

None ANSWER: B

In Para-Virtualization architecture ring-0 defines

para virualized guest-os

host-os

user apps

virtialization layer ANSWER: A

Which of the following type of virtualization is also characteristic of cloud computing?

Storage

application

CPU

all of the mentioned

ANSWER: D

In Para-Virtualization architecture ring-3 defines

para virualized guest-os

host-os

user apps

virtialization layer ANSWER: C

Ring 0 represents In Para-Virtualization architecture

level having most privilege

level having least privilege

None ANSWER: A

Ring 3 represents In Para-Virtualization architecture

level having most privilege

level having least privilege

None ANSWER: B

KVM (Kernel-Based VM) is a

Full Virtualized system

para Virtualized system

Host- based Virtualized system

None ANSWER: B

hypervisor kernel provides the same functionality as other operating systems, such as process creation, file system management, and process scheduling. It is designed to specifically support multiple virtual machines and to provide core functionalities, such as resource scheduling, I/O stacks, etc.

Hypervisor Components - VMM

Hypervisor Components - Kernel

Resource Control - Share

vSphere Key Components ANSWER: B

All cloud computing applications suffer from the inherent that is intrinsic in their WAN

connectivity. A) Propagation

Latency

Noise

All of the mentioned ANSWER: B

Which term best describes the ability to rapidly increase user accounts for a given cloud service?

Volatility

Synchronicity

Viability

Elasticity ANSWER: D

Your company runs a virtualized web application server in-house. You decide to make the web

applications available over the Internet through a cloud provider. Which method represents the

quickest way to accomplish this?

A) Create a new cloud server, install web services, and install and configure web applications. B) Create a new cloud server, install web services, and import web application data.

C) Migrate your in-house web application server to the cloud

. D) This cannot be done — only generic applications are available through the cloud. ANSWER: C

Purchasing software and providing it to a third party that installs and manages that software is an example of which of the following?

Virtualization

Application service provider

Platform as a service

Private cloud ANSWER: B

You are the IT director for a retail clothing outlet. Your competitors are using Internet-delivered

inventory, storage, and backup solutions from a specific provider. You conclude it is best that your

company use the same services from the same provider. What type of cloud will you be subscribing

to?

Community cloud

Retail cloud

Private cloud

Public cloud ANSWER: A

As a developer for a software company, you have decided to build and test your web applications in a

cloud environment. Which type of cloud service best meets your needs?

PaaS

SaaS

IaaS

Xaas ANSWER: A

What cloud computing characteristic ensures services and data are always reachable?

Confidentiality

Integrity

Availability

Scalability ANSWER: C

You must ensure that your business computing resources can quickly grow as business demands

change. Which of the following allows this?

Confidentiality

Integrity

Availability

Scalability ANSWER: D

Which of the following is most important area of concern in cloud computing ?

Security

Storage

Scalability

None ANSWER: A

Which of the following is one of the unique attribute of Cloud Computing ?

utility type of delivery

elasticity

low barrier to entry

all of the above ANSWER: D

Which of the following cloud concept is related to pooling and sharing of resources ?

Polymorphism

Virtualization

Abstraction

None of the mentioned ANSWER: B

Point out the wrong statement :

A cloud is defined as the combination of the infrastructure of a datacenter with the ability to

provision hardware and software

High touch applications are best done on-premises

The Google App Engine follows IaaS

All of the above ANSWER: C

model consists of the particular types of services that you can access on a cloud

computing platform. A) Service

Deployment

Application

None of the mentioned ANSWER: A

refers to the location and management of the cloud’s infrastructure. A) Service

Deployment

Application

None of the mentioned ANSWER: B

Which of the following is the deployment model?

public

private

hybrid

all of the mentioned ANSWER: D

Point out the correct statement. A) A deployment model defines the purpose of the cloud and the nature of how the cloud is located

Service model defines the purpose of the cloud and the nature of how the cloud is located

Cloud Square Model is meant to show is that the traditional notion of a network boundary being the network’s firewall no longer applies in cloud computing

All of the mentioned ANSWER: A

The cloud infrastructure is operated for the exclusive use of an organization. A) Public

Private

Community

All of the mentioned ANSWER: B

provides virtual machines, virtual storage, virtual infrastructure, and other hardware assets. A) IaaS

SaaS

PaaS

All of the mentioned ANSWER: A

Point out the wrong statement. A) A PaaS service adds integration features, middleware, and other orchestration and choreography

services to the IaaS model

XaaS or ‘anything as a service’ is the delivery of IT as a Service through hybrid Cloud computing

Monitoring as a Service (MaaS) is at present still an emerging piece of the Cloud jigsaw

None of the mentioned ANSWER: D

With cloud computing services, hardware purchases, software purchases, and IT support are the

responsibility of whom?

Internet service provider

RraaS provider

SaaS provider

Application service provider ANSWER: C

When you add a software stack, such as an operating system and applications to the service, the

model shifts to model. A) SaaS

PaaS

IaaS

All of the mentioned ANSWER: A

Which of the following is most refined and restrictive service model ?

IaaS

CaaS

PaaS

All of the mentioned ANSWER: C

All cloud computing applications suffer from the inherent that is intrinsic in their WAN

connectivity.

propagation

latency

noise

All of the mentioned ANSWER: B

Cloud computing is a system and it is necessarily unidirectional in nature.

stateless

stateful

reliable

None of the above ANSWER: A

Which of the following is best known service model ?

SaaS

IaaS

PaaS

All of the mentioned ANSWER: D

Which of the following is related to service provided by Cloud ?

Sourcing

Ownership

Reliability

AaaS ANSWER: A

is a complete operating environment with applications, management, and the user interface. A) IaaS

SaaS

PaaS

All of the mentioned ANSWER: B

Which of the following cloud concept is related to pooling and sharing of resources ?

Polymorphism

Abstraction

Virtualization

None of the mentioned ANSWER: C

A Level Agreement (SLA) is the contract for performance negotiated between you

and a

service provider. A) Service

Application

Deployment

All of the mentioned ANSWER: A

Which of the following is specified parameter of SLA ?

Response times

Responsibilities of each party

Warranties

All of the mentioned ANSWER: D

Which of the architectural layer is used as backend in cloud computing ?

client

cloud

soft

All of the mentioned ANSWER: B

A cloud requires virtualized storage to support the staging and storage of data. A) soft

compute

local

None of the mentioned ANSWER: B

Point out the wrong statement :

Virtual appliances are becoming a very important standard cloud computing deployment object

Cloud computing requires some standard protocols

Cloud computing relies on a set of protocols needed to manage interprocess communications

None of the mentioned ANSWER: D

Which of the following is Cloud Platform by Amazon ?

Azure

AWS

Cloudera

All of the mentioned ANSWER: D

Cloud computing is an abstraction based on the notion of pooling physical resources and presenting

them as a resource. A) real

virtual

cloud

None of the mentioned ANSWER: B

Which of the following cloud concept is related to pooling and sharing of resources ?

Polymorphism

Abstraction

Virtualization

None of the mentioned ANSWER:C

Which of the following type of virtualization is also characteristic of cloud computing?

Storage

Application

CPU

All of the Above ANSWER: D

What facet of cloud computing helps to guard against downtime and determines costs?

Service-level agreements

Application programming interfaces

Virtual private networks

Bandwidth fees ANSWER: A

Cloud Services have a relationship with their customers.A) Many-to-many

One-to-many

One-to-one

None of the Name ANSWER: B

What’s the most popular use case for public cloud computing today?

Test and development

Website hosting

Disaster recovery

Business analytics ANSWER: A

Virtual Machine Ware (VMware) is an example of

Infrastructure Service

Platform Service

Software Service

None of the above ANSWER: A

Geographic distribution of data across a cloud provider's network is a problem for many

enterprises because it:

Makes data recovery harder

Adds latency

Raises security concerns

Breaks compliance regulations ANSWER: A

Amazon Web Services is which type of cloud computing distribution model?

Software as a Service

Platform as a Service

Infrastructure as a Service

Software software as a service ANSWER: C

Cloud computing networks are designed to support only private or hybrid clouds.

True

False ANSWER: B

A good cloud computing network can be adjusted to provide bandwidth on demand.

True

False ANSWER: A

A larger cloud network can be built as either a layer 3 or layer 4 network. A) True

B) False ANSWER: B

The typical three-layer switching topology will not create latency within a cloud network. A) True

B) False ANSWER: B

The term 'Cloud' in cloud-computing refers to .

The Internet

Cumulus Clouds

A Computer

Thin Clients ANSWER: A

allows different operating systems to run in their own memory space.

VVM

VMC

VMM

All of the mentioned ANSWER: C

as a Service is a cloud computing infrastructure that creates a development

environment

upon which applications may be build. A) Infrastructure

Platform

Service

All of the mentioned ANSWER: B

Which of the following cloud concept is related to pooling and sharing of resources ?

Polymorphism

Abstraction

Virtualization

None of the mentioned ANSWER: C

Logical Network Perimeter can be implemented to

isolate IT resources in a cloud from non-authorized users

isolate IT resources in a cloud from non-users

isolate IT resources in a cloud from cloud consumers

all of the above Answer: D

A is a form of virtualization software that emaluates a physical server.

virtual server

physical server

hybrid server

none of the above Answer: A

Point out the wrong statement. A) Abstraction enables the key benefit of cloud computing: shared, ubiquitous access

Virtualization assigns a logical name for a physical resource and then provides a pointer to that physical resource when a request is made

All cloud computing applications combine their resources into pools that can be assigned on

demand to users

All of the mentioned ANSWER: C

Which of the following type of virtualization is also characteristic of cloud computing?

Storage

Application

CPU

All of the mentioned ANSWER: D

Point out the correct statement. A) A client can request access to a cloud service from any location

A cloud has multiple application instances and directs requests to an instance based on conditions

Computers can be partitioned into a set of virtual machines with each machine being assigned a

workload

All of the mentioned ANSWER: D

Which of the following network resources can be load balanced?

Connections through intelligent switches

DNS

Storage resources

All of the mentioned ANSWER: D

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Storage

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All of the mentioned ANSWER: D

Which of the following is another name for system virtual machine ? A hardware virtual machine

software virtual machine

real machine

None of the mentioned ANSWER: A

A is a form of virtualization software that emaluates a physical server.

virtual server

physical server

hybrid server

none of the above ANSWER: A

The IT resource that isolates the network environment within the data center infrastructure is called:

Virtual Firewall

Virtual Network

Both of the mentioned

None of the mentioned ANSWER: B

A virtual server is a form of virtualization software that emulates:

Virtual network

Physical Server

IT Resource

None of the mentioned ANSWER: B

Which mechanism is used to replicate several instances of a virtual server, using a stored virtual

server image. A) Hyperviser

Virtualization

Cloud Auditor

None of the mentioned ANSWER: A

Internet works on A) packet switching

circuit switching

both packet switching and circuit switching

data switching ANSWER: A

Which protocol assigns IP address to the client connected in the internet?

DHCP

IP

RPC

RSVP ANSWER: A

A is an extension of an enterprise’s private intranet across a public network such as the

internet, creating a secure private connection. A) VNP

VPN

VSN

VSPN ANSWER: B

Which of the following is false with respect to UDP?

Connection-oriented

Unreliable

Transport layer protocol

Low overhead ANSWER: A

What is the main advantage of UDP?

More overload

Reliable

Low overhead

Fast ANSWER: C

Which of the following is false with respect to TCP?

Connection-oriented

Process-to-process

Transport layer protocol

Unreliable ANSWER: D

In TCP, sending and receiving data is done as A) Stream of bytes

Sequence of characters

Lines of data

Packets ANSWER: A

The physical layer is concerned with A) bit-by-bit delivery

process to process delivery

application to application delivery

port to port delivery ANSWER: A

The data link layer takes the packets from and encapsulates them into frames for

transmission. A) network layer

physical layer

transport layer

application layer ANSWER: A

The network layer is concerned with of data. A) bits

frames

packets

bytes ANSWER: C

Transport layer aggregates data from different applications into a single stream before passing it to

A) network layer

data link layer

application layer

physical layer ANSWER: A

Which of the following are transport layer protocols used in networking?

TCP and FTP

UDP and HTTP

TCP and UDP

HTTP and FTP ANSWER: C

This is a repository for the storage, management, and dissemination of data in which the mechanical,

lighting, electrical and computer systems are designed for maximum energy efficiency and minimum

environmental impact. A) Storage lab

Data Center

Data warehouse

Fabric ANSWER: B

Which three statements describe differences between Storage Area Network (SAN) and Network

Attached Storage (NAS) solutions? Choose three.

SAN is generally more expensive but provides higher performance

NAS uses TCP/IP for communication between hosts and the NAS server

NAS requires additional hardware on a host: a host bus adapter for connectivity

SAN uses proprietary protocols for communication between hosts and the SAN fabric

i,ii, iii

i, ii, iv

ii, iii, iv

i, ii, iii ANSWER: B

Resource is defined as the creation of multiple instances of the same IT resource. A) Management

Provisioning

Replication

Allocation ANSWER: C

A virtual server is a form of virtualization software that emulates:

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Higher Transfer Technology Protocol

Hypertext Transfer Protocol

Hive Type Terminal Protocol What is the full form of "ISP"?

Internet Service Provider

Internal Service Processor

International Server Provider

Internet System Processor ANSWER: A

What is the full form of "OSI"?

Organisational Server Interface

Open Server Interconnection

Operating System Interface

Open System Interconnection ANSWER: D

What is the full form of "SMTP"?

Structured Mail Transfer Protocol

Simple Mail Transmitting Protocol

Simple Mail Transfer Protocol

Server Mail Transfer Protocol ANSWER: C

In SAN storage model, the operating system view storage resources as —— devices

FC

SCSI

SAN

None of the mentioned ANSWER: B

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User application Level ANSWER: C

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Library Support Level

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Instrction set architecture level

Library Support Level

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vCUDa stub in the host OS

all the mentioned ANSWER: D

noncritical instructions run on the hardware directly while critical instructions are discovered and replaced with traps into the VMM to be emulated by software in

Full Virtualization

para Virtualization

Host- based Virtualization

None ANSWER: A

the type of Virtualization replaces nonvirtualizable instructions with hypercalls that communicate directly with the hypervisor or VMM

Full Virtualization

para Virtualization

Host- based Virtualization

None ANSWER: B

In Para-Virtualization architecture ring-0 defines

para virualized guest-os

host-os

user apps

virtialization layer ANSWER: A

Which of the following type of virtualization is also characteristic of cloud computing?

Storage

application

CPU

all of the mentioned ANSWER: D

In Para-Virtualization architecture ring-3 defines

para virualized guest-os

host-os

user apps

virtialization layer ANSWER: C

Ring 0 represents In Para-Virtualization architecture

level having most privilege

level having least privilege

None ANSWER: A

Ring 3 represents In Para-Virtualization architecture

level having most privilege

level having least privilege

None ANSWER: B

KVM (Kernel-Based VM) is a

Full Virtualized system

para Virtualized system

Host- based Virtualized system

None ANSWER: B

hypervisor kernel provides the same functionality as other operating systems, such as process creation, file system management, and process scheduling. It is designed to specifically support multiple virtual machines and to provide core functionalities, such as resource scheduling, I/O stacks, etc.

Hypervisor Components - VMM

Hypervisor Components - Kernel

Resource Control - Share

vSphere Key Components ANSWER: B

What is the full form of "OSI"?

Organisational Server Interface

Open Server Interconnection

Operating System Interface

Open System Interconnection ANSWER: D

What is the full form of "SMTP"?

Structured Mail Transfer Protocol

Simple Mail Transmitting Protocol

Simple Mail Transfer Protocol

Server Mail Transfer Protocol ANSWER: C

In SAN storage model, the operating system view storage resources as —— devices

FC

SCSI

SAN

None of the mentioned ANSWER: B

Unit 3

The mechanism is used to specifically observe the runtime performance of cloud services to ensure that they are fulfilling the conteactual QoS requirements that are published in SLAs.

SLA Monitor

Load Balancer

Pay-Per-Use Monitor

Audit Monitor

The data collected by the SLA monitor is processed by an

to be aggregated into SLA reporting metrics.

SLA administration system

SLA failure system

SLA management system

SLA auditing system

The physical server polling has consecutively timed out three times, this generated event is termed as.

PS\_Timeout

PS\_Unreachable

PS\_Reachable

VM\_Unreachable

The previously unavailable physical server becomes responsive to polling again, this generated event is termed as.

VM\_Reachable

PS\_Timeout

PS\_Reachable

VM\_Unreachable

The mechanism measures cloud-based IT resource usage in accordance with predefined pricing parameters and generates usage logs for fee calculations and billing purposes.

Audit Monitor

SLA Monitor

Automated Scaling Listener

Pay-Per-Use Monitor

The information that is used to identify the type of pricing model for usage fee calaculations, including pre-paid subscription with usage quota, post-paid subscription with maximum usage quota is termed as.

Resource Usage Quota Consumption

Cloud Consumer Subscription Type

Resource Usage Category

Bandwidth Consumption

The billing management system uses this information to identify the range of usage fees that are applicable to each usage event. This particular information is termed as:

Resource Usage Quota Consumption

Cloud Consumer Subscription Type

Resource Usage Category

Bandwidth Consumption

When usage contracts define IT resource usage quotas, usage event conditions are typically supplemented with quota consumption and updated quota limits.

This type of consumption is termed as:

Resource Usage Quota Consumption

Cloud Consumer Subscription Type

Resource Usage Category

Bandwidth Consumption

9.A pay-per-use monitor implemented as a used to determine the usage period of a virtual server.

Resource Auditor

Resource Broker

Resource Admin

Resource Agent

A pay-per-use monitor designed as a that transparently intercepts and analyzes runtime communication with a cloud service.

Resource Auditor

Monitoring Agent

Service Agent

Resource Agent

All cloud computing applications suffer from the inherent that is intrinsic in their WAN connectivity.

propagation

latency

noise

All of the mentioned

Cloud computing is a system and it is necessarily unidirectional in nature.

stateless

stateful

reliable

None of the above

Which of the following is best known service model ?

SaaS

IaaS

PaaS

All of the mentioned

Which of the following is related to service provided by Cloud ?

Sourcing

Ownership

Reliability

AaaS

is a complete operating environment with applications, management, and the user interface.

IaaS

SaaS

PaaS

All of the mentioned

Which of the following cloud concept is related to pooling and sharing of resources ?

Polymorphism

Abstraction

Virtualization

None of the mentioned

which of the following type of virtualization is also characteristic of cloud computing?

Storage

Application

CPU

All of the Above

What facet of cloud computing helps to guard against downtime and determines costs?

Service-level agreements

Application programming interfaces

Virtual private networks

Bandwidth fees

Cloud Services have a relationship with their customers.

Many-to-many

One-to-many

One-to-one

None of the Name

What’s the most popular use case for public cloud computing today?

Test and development

Website hosting

Disaster recovery

Business analytics

Virtual Machine Ware (VMware) is an example of

Infrastructure Service

Platform Service

Software Service

None of the above

which is not an approach to virtualization?

Partial virtualization

Lightweight virtualization

Full virtualization

Para virtualization Correct

Live migration of VMs helps in...........

Maintenance

Load balancing

Availability

All of the above

Live migration involves?

Downtime of a few minutes

Loss of service

Downtime of a few milliseconds

No downtime Correct

Full virtualization Select one:

Simulates hardware within software

Has VMs with the same OS

Clones images

Alters the guest OS Correct

VMM is?

A virtual machine

Hardware

Host OS

A layer of software

A monitoring agent that collects tracking data for networks and IT resources is Called?

Load balancer

Audit Monitor

Automated Scaling Listener

Pay-per use Monitor

Which of the following are not Cloud management mechanisms?

Remote Administration system

SLA Management System

Audit Monitor System

Billing Management System

Failover System can be defined as?

A system to increase the reliability and availability of IT resources by using established clustering technology to provide redundant implementations

A resource agent that monitors and keeps track of the runtime performance of cloud services.

The Failure of the system

None of the mentioned

Failover System include?

Only Active-Active

Only Active-Passive

None of the mentioned

Both the mentioned

The monitoring agent that intercepts login requests and stores the requestors security credentials, as well as both failed attempts in a log database for future audit reporting purposes.

Pay-per-use monitor

SLA Monitor

Audit Monitor

Cloud Usage Monitor

The mechanism that rely on the resource replication mechanism to supply the redundant IT resource instances is called?

Failover systems

Hypervisor

Load balancer

Resource Cluster

The Specialized cloud mechanism used to intercept the response message and stores the entire collected login event details in the log database?

Pay-per-use monitor

Audit Monitor

SLA Monitor

Cloud Usage Monitor

The implementation mecahnism used in the failoversystems are?

Hypervoiser

Resource replication

SLA Monitor

Cloud Auditor

DAS-based periodic synchronization can also be reffered as?

SAN Based

NAS based

None of mentioned

WORM based

A state management database is a?

Network Device

Storage Device

Software Program

Router

Storage management database is used to make software programs more?

available

reliable

scalable

secure

The cloud management mechanism?

Remote Administration System

Resource Management System

Billing Management System

All of the above

The tools and APIs provided by remote administration system are used by?

Cloud Provider

Cloud Consumer

Both cloud provider and cloud consumer

None of the above

The tools and user interfaces for external cloud resource admininstrators to configure and asminister cloud based IT resources is provided by?

SLA Management System

Resource Management System

Billing Management System

Remote Administration System

The task performed by cloud consumers via a remote administration console is/are?

monitoring cloud service status

managing leasing costs

capacity planning

All of the above

The primary types of portal created with remote administration system is/are?

usage and administration portal

self-service portal

Both A and B

None of the above

In remote administration system, the task of planning and assessing IT resource provisioning is performed by?

Cloud Provider

Cloud Consumer

Cloud Broker

Cloud Auditor

The self service portal in remote administration system is used by

to search cloud services.

Cloud Provider

Cloud Consumer

Cloud Owner

Cloud Broker

The resource management system mechanism helps cocordinate IT resources in response to management actions performed by both?

cloud consumers and cloud services

cloud consumers and cloud providers

none of the above

all of the above

A is the core of the resource management system that coordinatesthe server hardware so that virtual server instances can be created from the underlying physical server.

virtual server

resource management system

virtual infrastructure manager

physical server

Point out the correct statement.

A client can request access to a cloud service from any location

A cloud has multiple application instances and directs requests to an instance based on conditions

Computers can be partitioned into a set of virtual machines with each machine being assigned a workload

All of the mentioned

Which of the following network resources can be load balanced?

Connections through intelligent switches

DNS

Storage resources

All of the mentioned

Which of the following is a more sophisticated load balancer?

workload managers

workspace managers

rackserve managers

all of the mentioned

Which of the following type of virtualization is also characteristic of cloud computing ?

Storage

Application

CPU

All of the mentioned

Point out the correct statement :

A client can request access to a cloud service from any location

A cloud has multiple application instances and directs requests to an instance based on conditions

Computers can be partitioned into a set of virtual machines with each machine being assigned a workload

All of the mentioned

Which of the following is another name for system virtual machine ? A hardware virtual machine

software virtual machine

real machine

None of the mentioned

Which of the following is NOT the task of resource management system?

managing virtual IT resources

allocating and releasing the virtual IT resources

monitoring QoS and SLA fulfillment

monitoring operational conditions of IT resources

A resource management system consist of.

VIM platform and VIM image repository

usage and administration portal

self-service portal

None of the above

An service level agreement management system mechanism encompassing an and .

usage and administration portal

VIM platform and VIM image repository

pricing and contract manager

SLA manager and QoS measurement repository

Queries can be issued and reports can be generated for an externalcloud resource admjnistrator via .

usage and administration portal

pricing and contract manager

SLA manager and QoS measurement repository

None

The metrics monitored for individual cloud services are aligned with the SLA gurantees in corresponding cloud provisioning contracts through .

Remote Administration System

Resource Management System

SLA Management system

All

can create and manage multiple instances of a hypervisor across different physical servers or allocate a virtual server on one physical server.

Resource managment system

Virtual machnine

VIM

Virtual server

The SLA monitor polls the cloud service that sends?

polling request messages

Polling response messages

both of the above

none of the above

The self service portal in remote administration system is used by

to search cloud services.

Cloud Provider

Cloud Consumer

Cloud Owner

Cloud Broker ANSWER: B

mechanism is used to group multiple IT resource instances so that they can be operated as single IT resource.

Hypervisor

Multi Tenant

Resource Cluster

Resource Replication

allows different operating systems to run in their own memory space.

VVM

VMc

VMM

All of the mentioned

as a Service is a cloud computing infrastructure that creates a development environment upon which applications may be build.

Infrastructure

Platform

Service

All of the mentioned

Which of the following cloud concept is related to pooling and sharing of resources ?

Polymorphism

Abstraction

Virtualization

None of the mentioned

Above layer a hypervisor is installed.

Network Layer

Application Layer

Physical Layer

Transport Layer

mechanism is used to generate virtual server instances of a physical server.

Resource Cluster

Hypervisor

VM Ware

Load Balancer

Resource Cluster architectures rely on?

High Speed Network Connection

High Speed dedicated Network Connection

Hypervisor

All of the above

Database clusters are designed to improve .

Data Availability

Redundancy

Auditing

All of the above

Cluster specializes in distributing workloads among cluster nodes to increse IT resource capaacity, while preserving the centralization of IT resource management.

Load balanced Cluster

HA cluster

Large Data set Cluster

Server Cluster

Cluster is used to data partitioning and distribution so that target data sets can be efficiently partitioned without compromising data integrity.

Load balanced Cluster

HA cluster

Large Data set Cluster

Server Cluster

maintains a system availability in the event of multiple node failures.

Load balanced Cluster

HA cluster

Large Data set Cluster

Server Cluster

Hypervisor software provides features.

Scheduling

Sharing

Controlling

All of the above

The BEST way to define Virtualization in cloud computing is?

Virtualization enables simulating compute, network, and storage service platforms from the underlying virtual hardware

Virtualization enables abstracting compute, network, and storage service platforms from the underlying physical hardware

Virtualization enables realization of compute, network, and storage service platforms from the underlying virtual hardware

Virtualization enables emulating compute, network, and storage service platforms from the underlying virtual hardware

A cloud requires virtualized storage to support the staging and storage of data.

soft

compute

local

None of the mentioned

Point out the wrong statement :

Virtual appliances are becoming a very important standard cloud computing deployment object

Cloud computing requires some standard protocols

Cloud computing relies on a set of protocols needed to manage interprocess communications

None of the mentioned

Load Balanced cluster usually implements a load balanced mechanism

?

Either embedded within the cluster management platform

Setup as a seperate IT Resource.

Both A and B

None of the above

transforms the communication protocols used by mobile devices into protocols that are compatible with a cloud service.

Mobile Device Gateway

XML Gateway

Cloud Storage Gateway

HTTP Gateway

ia a general purpose portal that centralizes management controls to different cloud-based IT resources.

Self-Service Portal

Usage and Administration Portal

Custom IT Resource Management Portal

On-Premise IT Resource Portal

The SLA monitor polls the cloud service that sends

polling request messages

Polling response messages

both of the above

none of the above

The self service portal in remote administration system is used by

to search cloud services.

Cloud Provider

Cloud Consumer

Cloud Owner

Cloud Broker

Live migration of VMs helps in...........

Maintenance

Load balancing

Availability

All of the above

Which of the architectural layer is used as backend in cloud computing ?

client

cloud

soft

All of the mentioned

A cloud requires virtualized storage to support the staging and storage of data.

soft

compute

local

None of the mentioned

Virtual Machine Ware (VMware) is an example of

Infrastructure Service

Platform Service

Software Service

None of the above

Geographic distribution of data across a cloud provider's network is a problem for many enterprises because it:

Makes data recovery harder

Adds latency

Raises security concerns

Breaks compliance regulations

Amazon Web Services is which type of cloud computing distribution model?

Software as a Service

Platform as a Service

Infrastructure as a Service

Software software as a service

Cloud computing networks are designed to support only private or hybrid clouds.

True

False

A good cloud computing network can be adjusted to provide bandwidth on demand.

True

False

A larger cloud network can be built as either a layer 3 or layer 4 network.

True

False

The typical three-layer switching topology will not create latency within a cloud network.

True

False

The term 'Cloud' in cloud-computing refers to .

The Internet

Cumulus Clouds

A Computer

Thin Clients

The technology used to distribute service requests to resources is referred to as:

Load performing

Load scheduling

Load balancing

None of the above

Which of the following network resources can be load balanced?

Connections through intelligent switches

DNS

Storage resource

All of the above

Which of the following is a more sophisticated load balancer?

Rack server managers

Workload managers

Workspace managers

None of the above

Point out the correct statement:

Different types of cloud computing service models provide different levels of security services

Adapting your on-premises systems to a cloud model requires that you determine what security mechanisms are required and mapping those to controls that exist in your chosen cloud service provider

NData should be transferred and stored in an encrypted format for security purpose

All of the above

Which of the following services that need to be negotiated in Service Level Agreements?

Logging

Auditing

Regulatory compliance

All of the above

Which of the following is used for Web performance management and load testing?

VMware Hyperic

Web metrics

Univa UD

Tapinsystems

What facet of cloud computing helps to guard against downtime and determines costs?

Service-level agreements

Application programming interfaces

Virtual private networks

Bandwidth fees

Virtual Machine Ware (VMware) is an example of

Infrastructure Service

Platform Service

Software Service

None of the above

Which of these techniques is vital for creating cloud-computing centers?

Virtualization

Transubstantiation

Cannibalization

Insubordination

Unit 2

A is a form of virtualization software that emaluates a physical server.

virtual server

physical server

hybrid server

none of the above

The IT resource that isolates the network environment within the data center infrastructure is called:

Virtual Firewall

Virtual Network

Both of the mentioned

None of the mentioned

A virtual server is a form of virtualization software that emulates:

Virtual network

Physical Server

IT Resource

None of the mentioned

Which mechanism is used to replicate several instances of a virtual server, using a stored virtual server image.

Hyperviser

Virtualization

Cloud Auditor

None of the mentioned

Internet works on

packet switching

circuit switching

both packet switching and circuit switching

data switching

Which protocol assigns IP address to the client connected in the internet?

DHCP

IP

RPC

RSVP

A is an extension of an enterprise’s private intranet across a public network such as the internet, creating a secure private connection.

VNP

VPN

VSN

VSPN

Which of the following is false with respect to UDP?

Connection-oriented

Unreliable

Transport layer protocol

Low overhead

What is the main advantage of UDP?

More overload

Reliable

Low overhead

Fast

Which of the following is false with respect to TCP?

Connection-oriented

Process-to-process

Transport layer protocol

Unreliable

In TCP, sending and receiving data is done as

Stream of bytes

Sequence of characters

Lines of data

Packets

The physical layer is concerned with

bit-by-bit delivery

process to process delivery

application to application delivery

port to port delivery

The data link layer takes the packets from and encapsulates them into frames for transmission.

network layer

physical layer

transport layer

application layer

The network layer is concerned with of data.

bits

frames

packets

bytes

Transport layer aggregates data from different applications into a single stream before passing it to

network layer

data link layer

application layer

physical layer

Which of the following are transport layer protocols used in networking?

TCP and FTP

UDP and HTTP

TCP and UDP

HTTP and FTP

This is a repository for the storage, management, and dissemination of data in which the mechanical, lighting, electrical and computer systems are designed for maximum energy efficiency and minimum environmental impact.

Storage lab

Data Center

Data warehouse

Fabric

Which three statements describe differences between Storage Area Network (SAN) and Network Attached Storage (NAS) solutions? Choose three.

SAN is generally more expensive but provides higher performance

NAS uses TCP/IP for communication between hosts and the NAS server

NAS requires additional hardware on a host: a host bus adapter for connectivity

SAN uses proprietary protocols for communication between hosts and the SAN fabric

i,ii, iii

i, ii, iv

ii, iii, iv

i, ii, iii

Resource is defined as the creation of multiple instances of the same IT resource.

Management

Provisioning

Replication

Allocation

A virtual server is a form of virtualization software that emulates:

Virtual network

Physical Server

IT Resource

None of the mentioned

Which mechanism is used to replicate several instances of a virtual server, using a stored virtual server image.

Hyperviser

Virtualization

Cloud Auditor

None of the mentioned

Which of the following type of virtualization is also characteristic of cloud computing?

Storage

Application

CPU

All of the mentioned

An IT resource that actively filters network traffic to and from the isolated network while controlling its interactions with the Internet.

Virtual Firewall

Virtual Network

Both of the mentioned

None of the mentioned

Point out the correct statement.

A virtual machine is a computer that is walled off from the physical computer that the virtual machine

is running on

Virtual machines provide the capability of running multiple machine instances, each with their own operating system

The downside of virtual machine technologies is that having resources indirectly addressed means there is some level of overhead

All of the mentioned

What is the full form of "FTP"?

File Tranmitting Protocol

File Transfer Protocol

Fast Transfer Protocol

Fast Transmitting Project

What is the full form of "HTTP"?

High Transfer Terra Page

Higher Transfer Technology Protocol

Hypertext Transfer Protocol

Hive Type Terminal Protocol

What is the full form of "ISP"?

Internet Service Provider

Internal Service Processor

International Server Provider

Internet System Processor

What is the full form of "OSI"?

Organisational Server Interface

Open Server Interconnection

Operating System Interface

Open System Interconnection

What is the full form of "SMTP"?

Structured Mail Transfer Protocol

Simple Mail Transmitting Protocol

Simple Mail Transfer Protocol

Server Mail Transfer Protocol

In SAN storage model, the operating system view storage resources as —— devices

FC

SCSI

SAN

None of the mentioned

All cloud computing applications suffer from the inherent that is intrinsic in their WAN connectivity.

Propagation

Latency

Noise

All of the mentioned

Which term best describes the ability to rapidly increase user accounts for a given cloud service?

Volatility

Synchronicity

Viability

Elasticity

Your company runs a virtualized web application server in-house. You decide to make the web applications available over the Internet through a cloud provider. Which method represents the quickest way to accomplish this?

Create a new cloud server, install web services, and install and configure web applications.

Create a new cloud server, install web services, and import web application data.

Migrate your in-house web application server to the cloud.

This cannot be done — only generic applications are available through the cloud.

What cloud computing characteristic ensures services and data are always reachable?

Confidentiality

Integrity

Availability

Scalability

You must ensure that your business computing resources can quickly grow as business demands change. Which of the following allows this?

Confidentiality

Integrity

Availability

Scalability

Which of the following is most important area of concern in cloud computing ?

Security

Storage

Scalability

None

Which of the following is one of the unique attribute of Cloud Computing ?

utility type of delivery

elasticity

low barrier to entry

all of the above

Which of the following cloud concept is related to pooling and sharing of resources ?

Polymorphism

Virtualization

Abstraction

Both a) and b)

Point out the wrong statement :

A cloud is defined as the combination of the infrastructure of a datacenter with the ability to provision hardware and software

High touch applications are best done on-premises

The Google App Engine follows IaaS

All of the above

model consists of the particular types of services that you can access on a cloud computing platform.

Service

Deployment

Application

None of the mentioned

refers to the location and management of the cloud’s infrastructure.

Service

Deployment

Application

None of the mentioned

Which of the following is the deployment model?

public

private

hybrid

all of the mentioned

Point out the correct statement.

A deployment model defines the purpose of the cloud and the nature of how the cloud is located

Service model defines the purpose of the cloud and the nature of how the cloud is located

Cloud Square Model is meant to show is that the traditional notion of a network boundary being the network’s firewall no longer applies in cloud computing

All of the mentioned

The cloud infrastructure is operated for the exclusive use of an organization.

Public

Private

Community

All of the mentioned

provides virtual machines, virtual storage, virtual infrastructure, and other hardware assets.

IaaS

SaaS

PaaS

All of the mentioned

Point out the wrong statement.

A PaaS service adds integration features, middleware, and other orchestration and choreography services to the IaaS model

XaaS or ‘anything as a service’ is the delivery of IT as a Service through hybrid Cloud computing

Monitoring as a Service (MaaS) is at present still an emerging piece of the Cloud jigsaw

None of the mentioned

With cloud computing services, hardware purchases, software purchases, and IT support are the responsibility of whom?

Internet service provider

RraaS provider

SaaS provider

Application service provider

Unit 1

All cloud computing applications suffer from the inherent that is intrinsic in their WAN connectivity.

Propagation

Latency

Noise

All of the mentioned

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Create a new cloud server, install web services, and import web application data.

Migrate your in-house web application server to the cloud.

This cannot be done — only generic applications are available through the cloud.

Purchasing software and providing it to a third party that installs and manages that software is an example of which of the following?

Virtualization

Application service provider

Platform as a service

Private cloud

You are the IT director for a retail clothing outlet. Your competitors are using Internet-delivered inventory, storage, and backup solutions from a specific provider. You conclude it is best that your company use the same services from the same provider. What type of cloud will you be subscribing to?

Community cloud

Retail cloud

Private cloud

Public cloud

As a developer for a software company, you have decided to build and test your web applications in a cloud environment. Which type of cloud service best meets your needs?

PaaS

SaaS

IaaS

Xaas

What cloud computing characteristic ensures services and data are always reachable?

Confidentiality

Integrity

Availability

Scalability

You must ensure that your business computing resources can quickly grow as business demands change. Which of the following allows this?

Confidentiality

Integrity

Availability

Scalability

Which of the following is most important area of concern in cloud computing ?

Security

Storage

Scalability

None ANSWER: A

Which of the following is one of the unique attribute of Cloud Computing ?

utility type of delivery

elasticity

low barrier to entry

all of the above ANSWER: D

Which of the following cloud concept is related to pooling and sharing of resources ?

Polymorphism

Virtualization

Abstraction

Both a) and b) ANSWER: B

Point out the wrong statement :

A cloud is defined as the combination of the infrastructure of a datacenter with the ability to provision hardware and software

High touch applications are best done on-premises

The Google App Engine follows IaaS

All of the above ANSWER: C

model consists of the particular types of services that you can access on a cloud computing platform.

Service

Deployment

Application

None of the mentioned ANSWER: A

refers to the location and management of the cloud’s infrastructure.

Service

Deployment

Application

None of the mentioned ANSWER: B

Which of the following is the deployment model?

public

private

hybrid

all of the mentioned ANSWER: D

Point out the correct statement.

A deployment model defines the purpose of the cloud and the nature of how the cloud is located

Service model defines the purpose of the cloud and the nature of how the cloud is located

Cloud Square Model is meant to show is that the traditional notion of a network boundary being the network’s firewall no longer applies in cloud computing

All of the mentioned ANSWER: A

The cloud infrastructure is operated for the exclusive use of an organization.

Public

Private

Community

All of the mentioned ANSWER: B

provides virtual machines, virtual storage, virtual infrastructure, and other hardware assets.

IaaS

SaaS

PaaS

All of the mentioned ANSWER: A

Point out the wrong statement.

A PaaS service adds integration features, middleware, and other orchestration and choreography services to the IaaS model

XaaS or ‘anything as a service’ is the delivery of IT as a Service through hybrid Cloud computing

Monitoring as a Service (MaaS) is at present still an emerging piece of the Cloud jigsaw

None of the mentioned ANSWER: D

With cloud computing services, hardware purchases, software purchases, and IT support are the responsibility of whom?

Internet service provider

RraaS provider

SaaS provider

Application service provider ANSWER: C

ANSWER: B ANSWER: B ANSWER: B

When you add a software stack, such as an operating system and applications to the service, the model shifts to model.

SaaS

PaaS

IaaS

All of the mentioned ANSWER: A

Which of the following is most refined and restrictive service model ?

IaaS

CaaS

PaaS

All of the mentioned ANSWER: C

All cloud computing applications suffer from the inherent that is intrinsic in their WAN connectivity.

propagation

latency

noise

All of the mentioned ANSWER: B

Cloud computing is a system and it is necessarily unidirectional in nature.

stateless

stateful

reliable

None of the above ANSWER: A

Which of the following is best known service model ?

SaaS

IaaS

PaaS

All of the mentioned ANSWER: D

Which of the following is related to service provided by Cloud ?

Sourcing

Ownership

Reliability

AaaS ANSWER: A

is a complete operating environment with applications, management, and the user interface.

IaaS

SaaS

PaaS

All of the mentioned ANSWER: B

Which of the following cloud concept is related to pooling and sharing of resources ?

Polymorphism

Abstraction

Virtualization

None of the mentioned ANSWER: C

A Level Agreement (SLA) is the contract for performance negotiated between you and a service provider.

Service

Application

Deployment

All of the mentioned ANSWER: A

Which of the following is specified parameter of SLA ?

Response times

Responsibilities of each party

Warranties

All of the mentioned ANSWER: D

Which of the architectural layer is used as backend in cloud computing ?

client

cloud

soft

All of the mentioned ANSWER: B

A cloud requires virtualized storage to support the staging and storage of data.

soft

compute

local

None of the mentioned ANSWER: B

Point out the wrong statement :

Virtual appliances are becoming a very important standard cloud computing deployment object

Cloud computing requires some standard protocols

Cloud computing relies on a set of protocols needed to manage interprocess communications

None of the mentioned ANSWER: D

Which of the following is Cloud Platform by Amazon ?

Azure

AWS

Cloudera

All of the mentioned ANSWER: D

Cloud computing is an abstraction based on the notion of pooling physical resources and presenting them as a resource.

real

virtual

cloud

None of the mentioned ANSWER: B

Which of the following cloud concept is related to pooling and sharing of resources ?

Polymorphism

Abstraction

Virtualization

None of the mentioned ANSWER:C

Which of the following type of virtualization is also characteristic of cloud computing?

Storage

Application

CPU

All of the Above ANSWER: D

What facet of cloud computing helps to guard against downtime and determines costs?

Service-level agreements

Application programming interfaces

Virtual private networks

Bandwidth fees ANSWER: A

Cloud Services have a relationship with their customers.

Many-to-many

One-to-many

One-to-one

None of the Name ANSWER: B

What’s the most popular use case for public cloud computing today?

Test and development

Website hosting

Disaster recovery

Business analytics ANSWER: A

Virtual Machine Ware (VMware) is an example of

Infrastructure Service

Platform Service

Software Service

None of the above ANSWER: A

Geographic distribution of data across a cloud provider's network is a problem for many enterprises because it:

Makes data recovery harder

Adds latency

Raises security concerns

Breaks compliance regulations ANSWER: A

Amazon Web Services is which type of cloud computing distribution model?

Software as a Service

Platform as a Service

Infrastructure as a Service

Software software as a service ANSWER: C

Cloud computing networks are designed to support only private or hybrid clouds.

True

False ANSWER: B

A good cloud computing network can be adjusted to provide bandwidth on demand.

True

False ANSWER: A

A larger cloud network can be built as either a layer 3 or layer 4 network.

True

False ANSWER: B

The typical three-layer switching topology will not create latency within a cloud network.

True

False ANSWER: B

The term 'Cloud' in cloud-computing refers to .

The Internet

Cumulus Clouds

A Computer

Thin Clients ANSWER: A

allows different operating systems to run in their own memory space.

VVM

VMc

VMM

All of the mentioned

as a Service is a cloud computing infrastructure that creates a development environment upon which applications may be build.

Infrastructure

Platform

Service

All of the mentioned ANSWER: B

Which of the following cloud concept is related to pooling and sharing of resources ?

Polymorphism

Abstraction

Virtualization

None of the mentioned ANSWER: C

Logical Network Perimeter can be implemented to

isolate IT resources in a cloud from non-authorized users

isolate IT resources in a cloud from non-users

isolate IT resources in a cloud from cloud consumers

all of the above Answer: D

A is a form of virtualization software that emaluates a physical server.

virtual server

physical server

hybrid server

none of the above Answer: A

Point out the wrong statement.

Abstraction enables the key benefit of cloud computing: shared, ubiquitous access

Virtualization assigns a logical name for a physical resource and then provides a pointer to that physical resource when a request is made

All cloud computing applications combine their resources into pools that can be assigned on demand to users

All of the mentioned ANSWER:C

Which of the following type of virtualization is also characteristic of cloud computing?

Storage

Application

CPU

All of the mentioned ANSWER:D

Point out the correct statement.

A client can request access to a cloud service from any location

A cloud has multiple application instances and directs requests to an instance based on conditions

Computers can be partitioned into a set of virtual machines with each machine being assigned a workload

All of the mentioned ANSWER:D

Which of the following network resources can be load balanced?

Connections through intelligent switches

DNS

Storage resources

All of the mentioned ANSWER:D

Which of the following type of virtualization is also characteristic of cloud computing ?

Storage

Application

CPU

All of the mentioned ANSWER:D

Point out the correct statement :

A client can request access to a cloud service from any location

A cloud has multiple application instances and directs requests to an instance based on conditions

Computers can be partitioned into a set of virtual machines with each machine being assigned a workload

All of the mentioned ANSWER:D

Which of the following is another name for system virtual machine ? A hardware virtual machine

software virtual machine

real machine

None of the mentioned

ANSWER:A