

(210) MCQS WITH ANSWERS AND EXPLANATION

UNIT I BASICS OF CLOUD COMPUTING

Class: BE_II

Prepared By : D.S.Zingade

SUB: Cloud Computing

Note : STUDY ALL 210 important MCQs + 1 Sentence answers of 1st UNIT

Cloud Computing Questions and Answers – Cloud Types – 1

This set of Cloud Computing Interview Questions and Answers focuses on “Cloud Types – 1”

1. _____ 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

[View Answer](#)

Answer: a

Explanation: Service models describe the type of service that the service provider is offering.

2. Point out the correct statement.

- a) The use of the word “cloud” makes reference to the two essential concepts
- b) Cloud computing abstracts systems by pooling and sharing resources
- c) cloud computing is nothing more than the Internet
- d) All of the mentioned

[View Answer](#)

Answer: b

Explanation: Abstraction and Virtualization are the two essential concepts.

3. _____ refers to the location and management of the cloud's infrastructure.

- a) Service
- b) Deployment
- c) Application
- d) None of the mentioned

[View Answer](#)

Answer: b

Explanation: The deployment model tells you where the cloud is located and for what purpose.

4. Which of the following is the deployment model?

- a) public
- b) private
- c) hybrid
- d) all of the mentioned

[View Answer](#)

Answer: d

Explanation: Public, private, community, and hybrid clouds are deployment models.

5. Point out the wrong statement.

- a) Cloud Computing has two distinct sets of models
- b) Amazon has built a worldwide network of datacenters to service its search engine
- c) Azure enables .NET Framework applications to run over the Internet
- d) None of the mentioned

[View Answer](#)

Answer: b

Explanation: Google has built mega data centres for its search engine.

6. Which of the following is best known service model?

- a) SaaS
- b) IaaS
- c) PaaS
- d) All of the mentioned

[View Answer](#)

Answer: d

Explanation: The best-known service models are Software as a Service, Platform as a Service, and Infrastructure as a Service—the SPI model.

7. The _____ model originally did not require a cloud to use virtualization to pool resources.

- a) NEFT
- b) NIST
- c) NIT
- d) All of the mentioned

[View Answer](#)

Answer: b

Explanation: NIST stands for National Institute of Standards and Technology.

8. _____ model attempts to categorize a cloud network based on four dimensional factors.

- a) Cloud Square
- b) Cloud Service
- c) Cloud Cube
- d) All of the mentioned

[View Answer](#)

Answer: c

Explanation: Cloud Cube model is mainly used for secure collaboration.

9. How many types of dimensions exists in Cloud Cube Model?

- a) 1
- b) 2
- c) 3
- d) 4

[View Answer](#)

Answer: d

Explanation: There are four types of dimensions in Cloud Cube.

10. Which of the following dimension is related to organization's boundaries?

- a) Physical location of data
- b) Ownership
- c) Security boundary
- d) All of the mentioned

[View Answer](#)

Answer: a

Explanation: Internal (I) / External (E) determines your organization's boundaries.

Cloud Computing Questions and Answers – Cloud Types – 2

This set of Cloud Computing Multiple Choice Questions & Answers (MCQs) focuses on “Cloud Types – 2”.

11. How many types of security boundary values exist in Cloud Cube model?

- a) 1
- b) 2
- c) 3
- d) None of the mentioned

[View Answer](#)

Answer: b

Explanation: There are two types depending upon network firewall.

12. 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

[View Answer](#)

Answer: a

Explanation: Four types of deployment models exist.

13. Which of the following is provided by ownership dimension of Cloud Cube Model?

- a) Proprietary
- b) Owner
- c) P
- d) All of the mentioned

[View Answer](#)

Answer: b

Explanation: P stands for Proprietary ownership.

14. _____ is a measure of whether the operation is inside or outside the security boundary or network firewall.

- a) Per

- b) P
- c) Pre
- d) All of the mentioned

[View Answer](#)

Answer: d

Explanation: Per stands for Parameterized.

15. Point out the wrong statement.

- a) Public cloud may be managed by the constituent organization(s) or by a third party
- b) A community cloud may be managed by the constituent organization(s) or by a third party
- c) Private clouds may be either on- or off-premises
- d) None of the mentioned

[View Answer](#)

Answer: a

Explanation: The public cloud infrastructure is available for public use alternatively for a large industry group.

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

- a) Sourcing
- b) Ownership
- c) Reliability
- d) AaaS

[View Answer](#)

Answer: a

Explanation: Insourced or Outsourced means whether the service is provided by the customer or the service provider.

17. _____ dimension corresponds to two different states in the eight possible cloud forms.

- a) Physical location of data
- b) Ownership
- c) Security boundary
- d) None of the mentioned

[View Answer](#)

Answer: d

Explanation: The sourcing dimension addresses the deliverer of the service.

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

- a) Public
- b) Private
- c) Community
- d) All of the mentioned

[View Answer](#)

Answer: b

Explanation: The cloud may be managed by that organization or a third party.

19. _____ cloud is one where the cloud has been organized to serve a common function or purpose.

- a) Public
- b) Private
- c) Community
- d) All of the mentioned

[View Answer](#)

Answer: c

Explanation: A community cloud may be managed by the constituent organization(s) or by a third party.

20. A hybrid cloud combines multiple clouds where those clouds retain their unique identities but are bound together as a unit.

- a) Public
- b) Private
- c) Community
- d) Hybrid

[View Answer](#)

Answer: d

Explanation: A hybrid cloud may offer standardized or proprietary access to data and applications, as well as application portability.

Cloud Computing Questions and Answers – Cloud Types – 3

This set of Cloud Computing Questions & Answers for entrance exams focuses on “Cloud Types – 3”.

21. Which of the following is owned by an organization selling cloud services?

- a) Public
- b) Private

- c) Community
- d) Hybrid

[View Answer](#)

Answer: a

Explanation: The public cloud infrastructure is available for public use alternatively for a large industry group.

22. Point out the wrong statement.

- a) Everything from the application down to the infrastructure is the vendor's responsibility
- b) In the deployment model, different cloud types are an expression of the manner in which infrastructure is deployed
- c) AaaS provides virtual machines, operating systems, applications, services, development frameworks, transactions, and control structures
- d) All of the mentioned

[View Answer](#)

Answer: c

Explanation: PaaS provides virtual machines, operating systems, applications, services, development frameworks, transactions, and control structures.

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

- a) IaaS
- b) SaaS
- c) PaaS
- d) All of the mentioned

[View Answer](#)

Answer: a

Explanation: The IaaS service provider manages all the infrastructure, while the client is responsible for all other aspects of the deployment.

24. Which of the following provides development frameworks and control structures?

- a) IaaS
- b) SaaS
- c) PaaS
- d) All of the mentioned

[View Answer](#)

Answer: c

Explanation: Infrastructure as a Service (IaaS) is a form of cloud computing that provides virtualized computing resources over the Internet.

25. 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

[View Answer](#)

Answer: d

Explanation: Monitoring as a Service provides the option to offload a large majority of those costs by having it run as a service as opposed to a fully invested in house tool.

26. _____ is a complete operating environment with applications, management, and user interface.

- a) IaaS
- b) SaaS
- c) PaaS
- d) All of the mentioned

[View Answer](#)

Answer: b

Explanation: In the SaaS model, the application is provided to the client through a thin client interface.

27. How many types of service model are mainly present in Cloud?

- a) 1
- b) 2
- c) 3
- d) 4

[View Answer](#)

Answer: c

Explanation: Three types of Service model exist.

28. The three different service models are together known as the _____ model of cloud computing.

- a) SPI
- b) SIP
- c) CPI
- d) All of the mentioned

[View Answer](#)

Answer: a

Explanation: Many other service models are also present.

29. CaaS stands for _____ as service.

- a) Compliance
- b) Computer
- c) Community
- d) Communication

[View Answer](#)

Answer: d

Explanation: Communication as a Service (CaaS), enables the consumer to utilize Enterprise level VoIP, VPNs, PBX and Unified Communications without the costly investment of purchasing, hosting and managing the infrastructure.

30. Which of the following is the IaaS service provider?

- a) EC2
- b) EC1
- c) EC10
- d) Hybrid

[View Answer](#)

Answer: a

Explanation: On Amazon EC2, a client would provision a computer in the form of a virtual machine image.

Cloud Computing Questions and Answers – Benefits and Drawbacks of Cloud Computing

This set of Cloud Computing Multiple Choice Questions & Answers (MCQs) focuses on “Benefits and Drawbacks of Cloud Computing”.

31. Which of the following was one of the top 5 cloud applications in 2010?

- a) Cloud backup
- b) Web applications
- c) Business applications
- d) All of the mentioned

[View Answer](#)

Answer: d

Explanation: Cloud computing has shifted the economics of software delivery in a manner similar to the way that music downloads have shifted the delivery of commercial music.

32. Point out the correct statement.

- a) Google's cloud includes perhaps some 10 data centers worldwide
- b) Flipkart.com's infrastructure was built to support elastic demand so the system could accommodate peak traffic
- c) Data centers have been sited to optimize the overall system latency
- d) All of the mentioned

[View Answer](#)

Answer: c

Explanation: Datacenter can Keep land costs modest and occupation unobtrusive.

33. Which of the following benefit is related to creates resources that are pooled together in a system that supports multi-tenant usage?

- a) On-demand self-service
- b) Broad network access
- c) Resource pooling
- d) All of the mentioned

[View Answer](#)

Answer: a

Explanation: A cloud service provider creates resources that are pooled together in a system that supports multi-tenant usage.

34. The _____ is something that you can obtain under contract from your vendor.

- a) PoS
- b) QoS
- c) SoS
- d) All of the mentioned

[View Answer](#)

Answer: b

Explanation: Depending upon the type of service being offered, you may find that you do not require hardware or software licenses to implement your service.

35. Point out the wrong statement.

- a) Internet consumes roughly 1 percent of the world's total power
- b) The cost advantages of cloud computing have enabled new software vendors to create productivity applications
- c) A client can provision computer resources without the need for interaction with cloud service provider personnel
- d) None of the mentioned

[View Answer](#)

Answer: a

Explanation: Data centers have been sited to have access to low cost power.

36. 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

[View Answer](#)

Answer: b

Explanation: While cloud computing applications excel at large-scale processing tasks, if your application needs large amounts of data transfer, cloud computing may not be the best model for you.

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

- a) stateless
- b) stateful
- c) reliable
- d) all of the mentioned

[View Answer](#)

Answer: a

Explanation: Cloud computing is a stateless system, as is the Internet in general.

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

- a) Security
- b) Storage
- c) Scalability
- d) All of the mentioned

[View Answer](#)

Answer: a

Explanation: When your data travels over and rests on systems that are no longer under your control, you have increased risk due to the interception and malfeasance of others.

39. You can't count on a cloud provider maintaining your _____ in the face of government actions.

- a) scalability
- b) reliability
- c) privacy

d) none of the mentioned

[View Answer](#)

Answer: c

Explanation: Cloud computing industry continues to address security concerns.

40. Which of the following architectural standards is working with cloud computing industry?

a) Service-oriented architecture

b) Standardized Web services

c) Web-application frameworks

d) All of the mentioned

[View Answer](#)

Answer: a

Explanation: These standards help to enable different business models that cloud computing vendors can support, most notably Software as a Service (SaaS), Web 2.0 applications, and utility computing.

Cloud Computing Questions and Answers – Attributes of Cloud Computing

This set of Cloud Computing Multiple Choice Questions & Answers (MCQs) focuses on “Attributes of Cloud Computing”.

41. Which of the following is one of the unique attributes of Cloud Computing?

a) utility type of delivery

b) elasticity

c) low barrier to entry

d) all of the mentioned

[View Answer](#)

Answer: d

Explanation: These attributes change how applications are created, priced, and delivered.

42. Point out the correct statement.

a) Service Level Agreements (SLAs) is small aspect of cloud computing

b) Cloud computing does not have impact on software licensing

c) Cloud computing presents new opportunities to users and developers

d) All of the mentioned

[View Answer](#)

Answer: c

Explanation: Because it is based on the paradigm of a shared multi-tenant utility.

43. Applications that work with cloud computing that have low margins and usually low risk are _____

- a) high touch
- b) low touch
- c) moderate touch
- d) all of the mentioned

[View Answer](#)

Answer: b

Explanation: The “high touch” applications that come with high margins require committed resources and pose more of a risk.

44. A service that concentrates on hardware follows the _____ as a Service model.

- a) IaaS
- b) CaaS
- c) PaaS
- d) All of the mentioned

[View Answer](#)

Answer: a

Explanation: Amazon web service follows PaaS model.

45. 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) None of the mentioned

[View Answer](#)

Answer: c

Explanation: The Google App Engine follows PaaS.

46. 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

[View Answer](#)

Answer: a

Explanation: Microsoft's Windows Azure Platform is best described as currently using SaaS model.

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

- a) IaaS
- b) CaaS
- c) PaaS
- d) All of the mentioned

[View Answer](#)

Answer: c

Explanation: When the service requires the client to use a complete hardware/software/application stack, it is using the most refined and restrictive service model.

48. _____ is a pay-as-you-go model matches resources to need on an ongoing basis.

- a) Utility
- b) Elasticity
- c) Low barrier to entry
- d) All of the mentioned

[View Answer](#)

Answer: a

Explanation: This eliminates waste and has the added benefit of shifting risk from the client.

49. _____ feature allows you to optimize your system and capture all possible transactions.

- a) scalability
- b) reliability
- c) elasticity
- d) none of the mentioned

[View Answer](#)

Answer: c

Explanation: You have the ability to right-size resources as required.

50. _____ enables batch processing, which greatly speeds up high-processing applications.

- a) Scalability
- b) Reliability
- c) Elasticity

d) Utility
[View Answer](#)

Answer: a

Explanation: This feature obviates the need for planning and provisioning.

Cloud Computing Questions and Answers – Laws of Cloudonomics

This set of Cloud Computing Multiple Choice Questions & Answers (MCQs) focuses on “Laws of Cloudonomics”.

51. _____ blurs the differences between a small deployment and a large one because scale becomes tied only to demand.

- a) Leading
- b) Pooling
- c) Virtualization
- d) All of the mentioned

[View Answer](#)

Answer: b

Explanation: The virtualization of pooled resources—processors or compute engines, storage, and network connectivity—optimizes these investments and allows the cloud provider to pass along these economies to customers.

52. Point out the correct statement.

- a) A branded cloud computing platform cannot extend customer relationships by offering additional service options
- b) A cloud computing platform extends the company’s products and defends their franchise
- c) The economies of scale cannot make a profitable business
- d) All of the mentioned

[View Answer](#)

Answer: b

Explanation: This is the case for Microsoft’s Windows Azure Platform.

53. A _____ is a facility that is a self-contained semiconductor assembly line.

- a) fab
- b) touch
- c) rep
- d) all of the mentioned

[View Answer](#)

Answer: a

Explanation: Companies such as TSMC (Taiwan Semiconductor Manufacturing Company) have come along that provides fabrication based on customer designs, spreading their risk and optimizing their operation.

54. How many laws exist for Cloudonomics by Weinman?

- a) 4
- b) 5
- c) 10
- d) 15

[View Answer](#)

Answer: c

Explanation: Joe Weinman of AT&T Global Services has concisely stated the advantages that cloud computing offers over a private or captured system.

55. Point out the wrong statement.

- a) Google App Engine allows a developer to scale an application immediately
- b) The customer relationship management provider Salesforce.com has a development platform called Force.com that is an IaaS offering
- c) A cloud computing provider can become a hub master at the center of many ISVs offerings
- d) None of the mentioned

[View Answer](#)

Answer: b

Explanation: For Google, its office applications can be rolled out quickly and to large audiences.

56. Cutting latency in half requires _____ times the number of nodes in a system.

- a) two
- b) three
- c) four
- d) seven

[View Answer](#)

Answer: c

Explanation: Latency, or the delay in getting a response to a request, requires both large-scale and multi-site deployments that are a characteristic of cloud providers.

57. Weinman argues that a large cloud's size has the ability to repel _____ and DDoS attacks better than smaller systems do.

- a) sniffers
- b) botnets
- c) trojan horse

d) all of the mentioned

[View Answer](#)

Answer: b

Explanation: Superiority in numbers is the most important factor in the result of combat.

58. The reliability of a system with n redundant components and a reliability of r is _____

a) $1-(1-r)^n$

b) $1-(1+r)^n$

c) $1+(1-r)^n$

d) All of the mentioned

[View Answer](#)

Answer: a

Explanation: Therefore, when a datacenter achieves a reliability of 99 percent, two redundant data centers have a reliability of 99.99 percent (four nines) and three redundant data centers can achieve a reliability of 99.9999 percent (six nines).

59. A _____ site is one that is environmentally friendly: locations that are on a network backbone.

a) greenfield

b) redfield

c) greenful

d) none of the mentioned

[View Answer](#)

Answer: a

Explanation: Private data centers tend to be located in places where the company or unit was founded or acquired.

60. The peak of the sum is never _____ than the sum of the peaks.

a) smaller

b) greater

c) equal to

d) none of the mentioned

[View Answer](#)

Answer: b

Explanation: A cloud can deploy less capacity because the peaks of individual tenants in a shared system are averaged over time by the group of tenants.

•

Cloud Computing Questions and Answers – Challenges and Obstacles to Cloud Computing

This set of Cloud Computing Multiple Choice Questions & Answers (MCQs) focuses on “Challenges and Obstacles to Cloud Computing”.

61. Which of the following subject area deals with pay-as-you-go usage model?

- a) Accounting Management
- b) Compliance
- c) Data Privacy
- d) All of the mentioned

[View Answer](#)

Answer: a

Explanation: For cloud computing, the pay-as-you-go usage model allows for costs to be applied to individual accounts directly.

62. Point out the correct statement.

- a) Except for tightly managed SaaS cloud providers, the burden of resource management is still in the hands of the user
- b) Cloud computing vendors run very reliable networks
- c) The low barrier to entry cannot be accompanied by a low barrier to provisioning
- d) All of the mentioned

[View Answer](#)

Answer: b

Explanation: Often, cloud data is load-balanced between virtual systems and replicated between sites.

63. _____ captive requires that the cloud accommodate multiple compliance regimes.

- a) Licensed
- b) Policy-based
- c) Variable
- d) All of the mentioned

[View Answer](#)

Answer: b

Explanation: Compliance with laws and policies varies by geographical area.

64. Security methods such as private encryption, VLANs and firewalls comes under _____ subject area.

- a) Accounting Management

- b) Compliance
- c) Data Privacy
- d) All of the mentioned

[View Answer](#)

Answer: c

Explanation: To ensure data privacy in the cloud, additional security methods such as private encryption, VLANs, firewalls, and local storage of sensitive data are necessary.

65. Point out the wrong statement.

- a) Large cloud providers with geographically dispersed sites worldwide, therefore, achieve reliability rates that are hard for private systems to achieve
- b) Private data centers tend to be located in places where the company or unit was founded or acquired
- c) A network backbone is a very low-capacity network connection
- d) None of the mentioned

[View Answer](#)

Answer: c

Explanation: On the Internet, an Internet backbone consists of the high-capacity routes and routers that are typically operated by an individual service provider such as a government or commercial entity.

66. Which of the following captive area deals with monitoring?

- a) Licensed
- b) Variable but under control
- c) Low
- d) All of the mentioned

[View Answer](#)

Answer: b

Explanation: For private systems, any monitoring system the organization wishes to deploy can be brought to bear.

67. Network bottlenecks occur when _____ data sets must be transferred.

- a) large
- b) small
- c) big
- d) all of the mentioned

[View Answer](#)

Answer: a

Explanation: This is the case for staging,

68. The reputation for cloud computing services for the quality of those services is shared by _____

- a) replicas
- b) shards
- c) tenants
- d) all of the mentioned

[View Answer](#)

Answer: c

Explanation: Clouds often have higher reliability than private systems.

69. Cloud _____ are standardized in order to appeal to the majority of its audience.

- a) SVAs
- b) SLAs
- c) SALs
- d) None of the mentioned

[View Answer](#)

Answer: b

Explanation: Custom SLAs that allow for multiple data sources are difficult to obtain or enforce.

70. _____ is a function of the particular enterprise and application in an on-premises deployment.

- a) Vendor lock
- b) Vendor lock-in
- c) Vendor lock-ins
- d) None of the mentioned

[View Answer](#)

Answer: b

Explanation: Vendor lock-in for a cloud computing solution in a PaaS model is very high.

•

Cloud Computing Questions and Answers – Cloud computing costs – 1

This set of Cloud Computing Multiple Choice Questions & Answers (MCQs) focuses on “Cloud computing costs – 1”.

71. The cost of a cloud computing deployment is roughly estimated to be _____

- a) $\text{Cost}_{\text{CLOUD}} = \Sigma(\text{UnitCost}_{\text{CLOUD}} / (\text{Revenue} - \text{Cost}_{\text{CLOUD}}))$

- b) $\text{CostCLOUD} = \Sigma(\text{UnitCostCLOUD} \times (\text{Revenue} + \text{CostCLOUD}))$
- c) $\text{CostCLOUD} = \Sigma(\text{UnitCostCLOUD} \times (\text{Revenue} - \text{CostCLOUD}))$
- d) All of the mentioned

View Answer

Answer: c

Explanation: Unit cost is usually defined as the cost of a machine instance per hour or another resource.

72. Point out the correct statement.

- a) Cloud resource pricing doesn't always scale linearly based on performance
- b) Depending upon the service model type, other resources add additional unit costs
- c) Typical efficiency in data centers are between 10 and 55 percent
- d) All of the mentioned

View Answer

Answer: a

Explanation: Different cloud providers charge different amounts for these resources, some resources are free for one provider and charged for another, and there are almost always variable charges based on resource sizing.

73. The costs associated with resources in the cloud computing model _____ can be unbundled to a greater extent than the costs associated with CostDATACENTER.

- a) CLOUD
- b) CostCLOUD
- c) CCLOUD
- d) All of the mentioned

View Answer

Answer: b

Explanation: The CostDATACENTER consists of the summation of the cost of each of the individual systems with all the associated resources.

74. Security methods such as private encryption, VLANs and firewalls comes under _____ subject area.

- a) $\text{CostDATACENTER} = 1n\Sigma(\text{UnitCostDATACENTER} / (\text{Revenue} - (\text{CostDATACENTER}/\text{Utilization}))\text{SYSTEMn}$
- b) $\text{CostDATACENTER} = 1n\Sigma(\text{UnitCostDATACENTER} \times (\text{Revenue} - (\text{CostDATACENTER}/\text{Utilization}))\text{SYSTEMn}$
- c) $\text{CostDATACENTER} = 1n\Sigma(\text{UnitCostDATACENTER} \times (\text{Revenue} + (\text{CostDATACENTER}/\text{Utilization}))\text{SYSTEMn}$
- d) All of the mentioned

View Answer

Answer: b

Explanation: Sum includes terms for System 1, System 2, System 3, and so on.

75. Point out the wrong statement.

- a) Data center operates under average loads
- b) Private cloud doesn't pooling of resources that a cloud computing provider can achieve
- c) Private cloud doesn't employ the same level of virtualization
- d) None of the mentioned

[View Answer](#)

Answer: c

Explanation: Capacity of the datacenter is fixed by the assets it has.

76. For a server with a four-year lifetime, you would therefore need to include an overhead roughly equal to ____ percent of the system's acquisition cost.

- a) 10
- b) 20
- c) 25
- d) All of the mentioned

[View Answer](#)

Answer: c

Explanation: The costs of a system in a datacenter must also include the overhead associated with power, cooling, and the physical plant.

77. The overhead associated with _____ staff is a major cost.

- a) Data Center
- b) IT
- c) Non IT
- d) All of the mentioned

[View Answer](#)

Answer: b

Explanation: It is not uncommon for the burden cost of a system in a datacenter to be 150 percent of the cost of the system itself.

78. Moving expenses onto the _____ side of a budget allows an organization to transfer risk to their cloud computing provider.

- a) Dex
- b) OpEx
- c) Pex
- d) All of the mentioned

[View Answer](#)

Answer: b

Explanation: The conversion of real assets to virtual ones provides a measure of protection against too much or too little infrastructure.

79. _____ is surely an impediment to established businesses starting new enterprises.

- a) Proposition
- b) Capitalization
- c) Globalization
- d) None of the mentioned

[View Answer](#)

Answer: b

Explanation: Capitalization may be the single largest reason that new businesses fail.

80. Cloud computing is also a good option when the cost of infrastructure and management is _____

- a) low
- b) high
- c) moderate
- d) none of the mentioned

[View Answer](#)

Answer: b

Explanation: This is often the case with legacy applications and systems where maintaining the system capabilities is a significant cost.

•

Cloud Computing Questions and Answers – Cloud computing costs – 2

This set of Cloud Computing Multiple Choice Questions and Answers for freshers focuses on “Cloud Computing Costs – 2”.

81. _____ sizing is possible when the system load is cyclical or in some cases when there are predictable bursts or spikes in the load.

- a) Left
- b) Right
- c) Top
- d) All of the mentioned

[View Answer](#)

Answer: b

Explanation: You encounter cyclical loads in many public facing commercial ventures with seasonal demands, when the load is affected by time zones.

82. Point out the correct statement.

- a) A standard machine instance (virtual computer) might cost \$0.10 or less an hour
- b) A typical storage charge might be \$0.10 per GB/month
- c) Outsourcing shifts the burden of capital expenditures onto the service provider
- d) All of the mentioned

[View Answer](#)

Answer: d

Explanation: In reality, the major cloud providers provide machine instances in small slices that can be added within five minutes or less.

83. _____ is a financial estimate for the costs of the use of a product or service over its lifetime.

- a) TCO
- b) TOC
- c) COT
- d) All of the mentioned

[View Answer](#)

Answer: a

Explanation: TCO stands for Total Cost of Ownership.

84. The Microsoft _____ Platform ROI wizard provides a quick and dirty analysis of your TCO for a cloud deployment on Windows Azure in an attractive report format.

- a) AWS
- b) EC2
- c) Azure
- d) All of the mentioned

[View Answer](#)

Answer: c

Explanation: A better metric for enterprises is captured by a Return on Investment or ROI calculation.

85. Point out the wrong statement.

- a) TCO must account for the real costs of items, but frequently they do not
- b) A system consumes resources such as space in a datacenter or portion of your site, power, cooling, and management
- c) Microsoft maintains an economics page for its Windows Azure Platform
- d) None of the mentioned

[View Answer](#)

Answer: d

Explanation: When you account for monitoring and management of systems, you must account for the burdened cost of an IT employee, the cost of the hardware and software that is used for management, and other hidden costs.

86. 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

[View Answer](#)

Answer: a

Explanation: In the early days of cloud computing, all SLAs were negotiated between a client and the provider.

87. Which of the following is specified parameter of SLA?

- a) Response times
- b) Responsibilities of each party
- c) Warranties
- d) All of the mentioned

[View Answer](#)

Answer: d

Explanation: Some SLAs are enforceable as contracts.

88. When you purchase shrink-wrapped software, you are using that software based on a licensing agreement called _____

- a) EULA
- b) EUL
- c) ELA
- d) All of the mentioned

[View Answer](#)

Answer: a

Explanation: EULA stands for End User License Agreement.

89. Cloud computing shifts capital expenditures into _____ expenditures.

- a) operating
- b) service
- c) local

d) none of the mentioned

[View Answer](#)

Answer: a

Explanation: Cloud computing changes the nature of the service provider and its relationship to its client.

90. Which of the following service is used for backing up a licensed computer?

a) CarbonT

b) Karbonite

c) Carbonite

d) None of the mentioned

[View Answer](#)

Answer: c

Explanation: Cloud computing applications rarely use machine licenses when the application is meant to be ubiquitous

•

Cloud Computing Questions and Answers – Connecting to the Cloud

This set of Cloud Computing Multiple Choice Questions & Answers (MCQs) focuses on “Connecting to the Cloud”.

91. Which of the following is one of the properties that differentiates cloud computing?

a) scalability

b) virtualization

c) composability

d) all of the mentioned

[View Answer](#)

Answer: c

Explanation: Composability is the ability to build applications from component parts.

92. Point out the correct statement.

a) Cloud computing is a natural extension of many of the design principles, protocols, plumbing, and systems

b) Platforms are used to create more easy software

c) All SLAs are enforceable as contracts

d) All of the mentioned

[View Answer](#)

Answer: a

Explanation: Cloud computing describes some new capabilities that are architected into an application stack and are responsible for the programmability, scalability, and virtualization of resources.

93. A _____ is a cloud computing service that is both hardware and software.

- a) service
- b) platform
- c) model
- d) all of the mentioned

[View Answer](#)

Answer: b

Explanation: Virtual appliances are an important example of a platform.

94. Cloud computing doesn't require that _____ and software be composable.

- a) cloud
- b) database
- c) hardware
- d) all of the mentioned

[View Answer](#)

Answer: c

Explanation: It is a highly desirable characteristic from a developer or user's standpoint.

95. 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

[View Answer](#)

Answer: d

Explanation: Many of these protocols are standard Internet protocols.

96. The most commonly used set of protocols uses _____ as the messaging format.

- a) XML

- b) JSON
 - c) BSON
 - d) All of the mentioned
- [View Answer](#)

Answer: a

Explanation: Cloud computing builds on the architecture developed for staging large distributed network applications on the Internet.

97. Which of the following language is used to manage transactions?

- a) WSDL
 - b) XML
 - c) SOAP
 - d) All of the mentioned
- [View Answer](#)

Answer: a

Explanation: WSDL is an XML format for describing network services as a set of endpoints operating on messages containing either document-oriented or procedure-oriented information.

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

- a) client
 - b) cloud
 - c) soft
 - d) all of the mentioned
- [View Answer](#)

Answer: b

Explanation: The cloud creates a system where resources can be pooled and partitioned as needed.

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

- a) soft
 - b) compute
 - c) local
 - d) none of the mentioned
- [View Answer](#)

Answer: b

Explanation: From a user's perspective, it is important that the resources appear to be infinitely scalable, that the service be measurable, and that the pricing is metered.

100. A _____ system uses components to assemble services that can be tailored for a specific purpose using standard parts.

- a) reliable
- b) scalable
- c) composable
- d) none of the mentioned

[View Answer](#)

Answer: c

Explanation: Applications built in the cloud often have the property of being built from a collection of components, a feature referred to as composability.

Cloud Computing Questions and Answers – Cloud Computing Stack – 1

»

This set of Cloud Computing Multiple Choice Questions & Answers (MCQs) focuses on “Cloud Computing Stack – 1”.

101. A _____ service provider gets the same benefits from a composable system that a user does.

- a) CaaS
- b) AaaS
- c) PaaS
- d) All of the mentioned

[View Answer](#)

Answer: c

Explanation: If you are a PaaS or SaaS service provider and your task is to create the platform or service presented to the developer, reseller, or user, the notion of working with a composable system is still a very powerful one.

102. Point out the correct statement.

- a) Cloud architecture can couple software running on virtualized hardware in multiple locations to provide an on-demand service
- b) Cloud computing relies on a set of protocols needed to manage interprocess communications
- c) Platforms are used to create more complex software
- d) All of the mentioned

[View Answer](#)

103. Which of the following is the property of the composable component?

- a) stateful
- b) stateless
- c) symmetric

d) all of the mentioned

[View Answer](#)

Answer: b

Explanation: A transaction is executed without regard to other transactions or requests.

104. From the standpoint of a _____ it makes no sense to offer non-standard machine instances to customers.

a) CaaS

b) AaaS

c) PaaS

d) IaaS

[View Answer](#)

Answer: d

Explanation: Because those customers are almost certainly deploying applications built on standard operating systems such as Linux, Windows, Solaris, or some other well-known operating system.

105. Point out the wrong statement.

a) A cloud cannot be created within an organization's own infrastructure or outsourced to another datacenter

b) A composable component must be modular

c) A composable component must be stateless

d) None of the mentioned

[View Answer](#)

Answer: a

Explanation: While resources in a cloud can be real physical resources, more often they are virtualized resources because virtualized resources are easier to modify and optimize.

106. A service provider reselling a _____ may have the option to offer one module to customize the information.

a) CaaS

b) AaaS

c) PaaS

d) SaaS

[View Answer](#)

Answer: d

Explanation: Modifications are generally severely limited.

107. Which of the following is the highest degree of integration in cloud computing?

- a) CaaS
 - b) AaaS
 - c) PaaS
 - d) SaaS
- [View Answer](#)

Answer: d

Explanation: An SaaS vendor such as Quicken.com or Salesforce.com is delivering an application as a service to a customer.

108. Which of the architectural layer is used as a front end in cloud computing?

- a) client
 - b) cloud
 - c) soft
 - d) all of the mentioned
- [View Answer](#)

Answer: a

Explanation: Cloud computing may be differentiated from older models by describing an encapsulated information technology service that is often controlled through an Application Programming Interface (API).

109. Which of the following benefit is provided by the PaaS service provider?

- a) A larger pool of qualified developers
 - b) More reliable operation
 - c) A logical design methodology
 - d) All of the mentioned
- [View Answer](#)

Answer: d

Explanation: The essence of a service oriented design is that services are constructed from a set of modules using standard communications and service interfaces.

110. Communication between services is done widely using _____ protocol.

- a) REST
 - b) SOAP
 - c) RESTful
 - d) None of the mentioned
- [View Answer](#)

Answer: b

Explanation: There are alternative sets of standards as well.

•

Cloud Computing Questions and Answers – Cloud Computing Stack – 2

This set of Cloud Computing Interview Questions and Answers for freshers focuses on “Cloud Computing Stack – 2”.

111. Which of the following provider rely on the virtual machine technology to deliver servers?

- a) CaaS
- b) AaaS
- c) PaaS
- d) IaaS

[View Answer](#)

Answer: d

Explanation: Most large Infrastructure as a Service (IaaS) providers rely on virtual machine technology that can run applications.

112. Point out the correct statement.

- a) Virtual machines are containers that are assigned specific resources
- b) Applications need not be mindful of how they use cloud resources
- c) When a developer creates an application that uses a cloud service, the developer cannot attach to the appropriate service
- d) All of the mentioned

[View Answer](#)

Answer: a

Explanation: The software that runs in the virtual machines is what defines the utility of the cloud computing system.

113. Which of the following component is called hypervisor?

- a) VGM
- b) VMc
- c) VMM
- d) All of the mentioned

[View Answer](#)

Answer: c

Explanation: VMM component is also called hypervisor.

114. Applications such as a Web server or database server that can run on a virtual machine image are referred to as _____

- a) virtual server
- b) virtual appliances
- c) machine imaging
- d) all of the mentioned

[View Answer](#)

Answer: b

Explanation: The name virtual appliance is a little misleading because it conjures up the image of a machine that serves a narrow purpose.

115. Point out the wrong statement.

- a) Platforms represent nearly the full cloud software stack
- b) A platform in the cloud is a software layer that is used to create higher levels of service
- c) Platforms often come replete with tools and utilities to aid in application design and deployment
- d) None of the mentioned

[View Answer](#)

Answer: d

Explanation: Most platforms begin by establishing a developer community to support the work done in the environment.

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

- a) VGM
- b) VMc
- c) VMM
- d) All of the mentioned

[View Answer](#)

Answer: c

Explanation: VMM manages I/O for the virtual machines.

117. Amazon Machine Images are virtual appliances that have been packaged to run on the grid of _____ nodes.

- a) Ben
- b) Xen
- c) Ken
- d) Zen

[View Answer](#)

Answer: b

Explanation: You run across virtual appliances in IaaS systems such as Amazon's Elastic Compute Cloud.

118. Which of the following offers virtual appliances, including ones based on Windows, all of which run on VMware Player?

- a) Bagvapp
- b) Jcinacio
- c) HelpdeskLive
- d) All of the mentioned

[View Answer](#)

Answer: a

Explanation: Virtual appliances have begun to affect the PC industry in much the same way that application stores have affected the cell phone industry.

119. _____ offers various Linux distributions upon which you can build a virtual machine.

- a) Bagvapp
- b) Jcinacio
- c) HelpdeskLive
- d) All of the mentioned

[View Answer](#)

Answer: b

Explanation: Jcinacio has Ubuntu appliances.

120. _____ is a CPU emulator and virtual machine monitor.

- a) Imaging
- b) Parallels
- c) QEMU
- d) None of the mentioned

[View Answer](#)

Answer: c

Explanation: Parallels hosts a variety of appliances that includes Linux distros, server software, and other products.

Cloud Computing Questions and Answers – IaaS – 1

This set of Interview Questions and Answers focuses on “IaaS – Infrastructure as a Service – 1”.

121. Which of the following is a virtual machine technology now owned by Oracle that can run various operating systems?

- a) Vmachines
- b) VirtualBox
- c) ThoughtPolice
- d) None of the mentioned

[View Answer](#)

Answer: b

Explanation: VirtualBox serves as a host for a variety of virtual appliances.

122. Point out the correct statement.

- a) JumpIt is an open-source virtual appliance installation and management service
- b) Converting a virtual appliance from one platform to another is easy proposition
- c) Nearly all major virtualization platform vendors support OVF, notably VMware, Microsoft, Oracle, and Citrix
- d) All of the mentioned

[View Answer](#)

Answer: c

Explanation: Efforts are underway to create file format standards for these types of objects that make the task easier.

123. Which of the following lets a Web service advertise itself in terms of a collection of endpoints?

- a) WSDL
- b) VMC
- c) SOAP
- d) All of the mentioned

[View Answer](#)

Answer: a

Explanation: The most commonly used model for discovery and description used with SOAP messaging is the Web Services Description Language (WSDL).

124. Which of the following is a specification for multicast discovery on a LAN?

- a) WS-Agent
- b) WS-Discovery
- c) WS-SOAP
- d) All of the mentioned

[View Answer](#)

Answer: b

Explanation: WS-Discovery stands for Web Services Dynamic Discovery specification.

125. Point out the wrong statement.

- a) Cloud computing arises from services available over the Internet communicating
- b) XML-RPC uses platform-independent XML data to encode program calls that are transported over HTTP
- c) SOAP uses JSON for its messages and uses RPC and HTTP for message passing
- d) None of the mentioned

[View Answer](#)

Answer: c

Explanation: SOAP forms the basis for most of the Web services stacks.

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

- a) Infrastructure
- b) Service
- c) Platform
- d) All of the mentioned

[View Answer](#)

Answer: c

Explanation: PaaS provides a model that can be used to create or augment complex applications such as Customer Relation Management (CRM) or Enterprise Resource Planning (ERP) systems.

127. _____ is a cloud computing service model in which hardware is virtualized in the cloud.

- a) IaaS
- b) CaaS
- c) PaaS
- d) None of the mentioned

[View Answer](#)

Answer: a

Explanation: In this particular model, the service vendor owns the equipment: servers, storage, network infrastructure, and so forth.

128. Which of the following is the fundamental unit of virtualized client in an IaaS deployment?

- a) workunit
- b) workspace
- c) workload

d) all of the mentioned

[View Answer](#)

Answer: c

Explanation: A workload simulates the ability of a certain type of real or physical server to do any amount of work.

129. How many types of virtual private server instances are partitioned in an IaaS stack?

a) one

b) two

c) three

d) all of the mentioned

[View Answer](#)

Answer: c

Explanation: The three workloads require three different sizes of computers: small, medium, and large.

130. Which of the following correctly represents cloud computing ecosystem?

a)

Business Process
Application Services
Platform Services
Infrastructure Services

b)

Application Process
Business Services
Platform Services
Infrastructure Services

c)

Application Process
Infrastructure Services
Platform Services

Infrastructure Services

d)

Business Process
Application Services
Infrastructure Services
Platform Services

[View Answer](#)

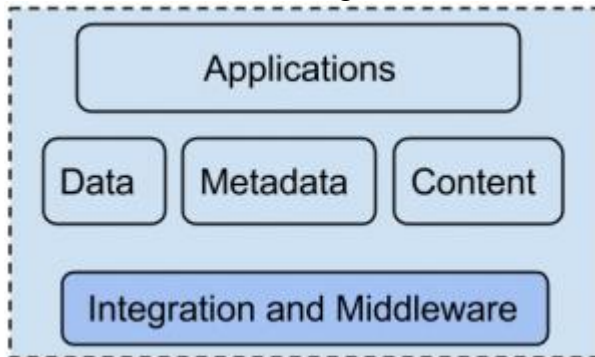
Answer: a

Explanation: You can broadly partition cloud computing into four layers that form a cloud computing ecosystem.

Cloud Computing Questions and Answers – IaaS – 2

This set of Cloud Computing Questions and Answers for experienced focuses on “IaaS – 2”.

131. Which of the following content is allowed as per virtual appliance block diagram shown below?



- a) Table
- b) Image
- c) Documents
- d) All of the mentioned

[View Answer](#)

Answer: d

Explanation: Content can be structured or unstructured in virtual appliance.

132. Point out the correct statement.

- a) WS-+ services carried over XML messages using the SOAP protocol access remote server applications
- b) REST stands for Representational State Transfer
- c) A transaction following the rules of SOAP is considered to be RESTful
- d) All of the mentioned

[View Answer](#)

Answer: b

Explanation: REST assigns a global identifier to a resource so there is a uniform method for accessing information sources.

133. Which of the following is based on the IETF Session Initiation Protocol?

- a) WSDL
- b) SIMPLE
- c) SOAP
- d) All of the mentioned

[View Answer](#)

Answer: b

Explanation: SIMPLE is an open standard protocol.

134. Which of the following is a third-party VPN based on Google's GoogleTalk?

- a) Hotspot VPN
- b) Gbridge
- c) AnchorFree Hotspot Shield
- d) All of the mentioned

[View Answer](#)

Answer: b

Explanation: Gbridge is an interesting solution that illustrates the use of VPN over a cloud connection.

135. Point out the wrong statement.

- a) Atom is a syndication format that allows for HTTP protocols to create and update information
- b) Cloud services span the gamut of computer applications
- c) The impact of cloud computing on network communication is to discourage the use of open-network protocols in place of proprietary protocols
- d) None of the mentioned

[View Answer](#)

Answer: c

Explanation: Microsoft's ADO.NET Data Services Framework is another system for transferring data using a RESTful transaction and standard HTTP commands.

136. Which of the following is a classic example of an IaaS service model?

- a) AWS
- b) Azure
- c) Cloudera
- d) All of the mentioned

[View Answer](#)

Answer: a

Explanation: AWS has several data centers in which servers run on top of a virtualization platform (Xen).

137. _____ is designed specifically to run connected to the cloud as a dedicated cloud client.

- a) Harvera Tablet OS
- b) Fedora Netbook OS
- c) Jolicloud Netbook OS
- d) None of the mentioned

[View Answer](#)

Answer: c

Explanation: Jolicloud concentrates on building a social platform with automatic software updates and installs.

138. Which of the following is the management console in AWS?

- a) CSC
- b) CCS
- c) CSS
- d) All of the mentioned

[View Answer](#)

Answer: b

Explanation: Pods are managed by a Cloud Control System (CCS).

139. A group of users within a particular instance is called _____

- a) suser
- b) pod
- c) superuser

d) all of the mentioned

[View Answer](#)

Answer: b

Explanation: Sizing limitations for pods need to be accounted for if you are building a large cloud-based application.

140. Pods are aggregated into pools within an IaaS region or site called an _____ zone.

a) restricted

b) unavail

c) availability

d) none of the mentioned

[View Answer](#)

Answer: c

Explanation: In very large cloud computing networks, when systems fail, they fail on a pod-by-pod basis, and often on a zone-by-zone basis.

Cloud Computing Questions and Answers – PaaS

This set of Interview Questions and Answers focuses on “PaaS – Platform as a Service”.

141. _____ offering provides the tools and development environment to deploy applications on another vendor’s application.

a) PaaS

b) IaaS

c) CaaS

d) All of the mentioned

[View Answer](#)

Answer: b

Explanation: PaaS tool is a fully integrated development environment.

142. Point out the correct statement.

a) Platforms cannot be based on specific types of development languages, application frameworks, or other constructs

b) PaaS systems offer a way to create user interfaces

c) In a CaaS model, customers may interact with the software to enter and retrieve data

d) All of the mentioned

[View Answer](#)

Answer: b

Explanation: PaaS systems support standards such as HTML, JavaScript, or other rich media technologies.

143. Which of the following is associated with considerable vendor lock-in?

- a) PaaS
- b) IaaS
- c) CaaS
- d) SaaS

[View Answer](#)

Answer: a

Explanation: The difficulty with PaaS is that it locks the developer (and the customer) into a solution that is dependent upon the platform vendor.

144. _____ serves as a PaaS vendor within Google App Engine system.

- a) Google
- b) Amazon
- c) Microsoft
- d) All of the mentioned

[View Answer](#)

Answer: a

Explanation: Google offers many of its Web service applications to customers as part of this service model.

145. Point out the wrong statement.

- a) The customer takes no responsibility for maintaining the hardware, the software, or the development of the applications
- b) The vendor is responsible for all the operational aspects of the service
- c) Google's App Engine platform is IaaS offering
- d) None of the mentioned

[View Answer](#)

Answer: c

Explanation: The customer is responsible only for his interaction with the platform.

146. Which of the following can be considered PaaS offering?

- a) Google Maps
- b) Gmail
- c) Google Earth
- d) All of the mentioned

[View Answer](#)

Answer: a

Explanation: The vendor of the PaaS solution is in most cases the developer, who is offering a complete solution to the customer.

147. _____ is the most refined and restrictive service model.

- a) IaaS
- b) CaaS
- c) PaaS
- d) All of the mentioned

[View Answer](#)

Answer: c

Explanation: When the service requires the client to use a complete hardware/software/application stack, it is using the most refined and restrictive service model.

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

- a) IaaS
- b) SaaS
- c) PaaS
- d) All of the mentioned

[View Answer](#)

Answer: a

Explanation: The IaaS service provider manages all the infrastructure, while the client is responsible for all other aspects of the deployment.

149. Amazon Web Services offers a classic Service Oriented Architecture (SOA) approach to _____

- a) IaaS
- b) SaaS
- c) PaaS
- d) All of the mentioned

[View Answer](#)

Answer: c

Explanation: In AWS, the CCS is the AWS Management Console.

150. Rackspace Cloud Service is an example of _____

- a) IaaS
- b) SaaS
- c) PaaS

d) All of the mentioned

[View Answer](#)

Answer: a

Explanation: Unlike other cloud providers, Rackspace only offers managed solutions.

Cloud Computing Questions and Answers – IDaaS – 1

This set of Interview Questions and Answers focuses on “IDaaS – Identify as a Service – 1”.

151. Salesforce.com is the largest _____ provider of CRM software.

a) PaaS

b) IaaS

c) CaaS

d) SaaS

[View Answer](#)

Answer: d

Explanation: Salesforce.com extended its SaaS offering to allow developers to create add-on applications.

152. Point out the correct statement.

a) Mashups are an incredibly useful hybrid Web application

b) SaaS will eventually replace all locally installed software

c) The establishment and proof of identity is a central network function

d) All of the mentioned

[View Answer](#)

Answer: d

Explanation: An identity service is one that stores the information associated with a digital entity in a form that can be queried and managed for use in electronic transactions.

153. Which of the following group is dedicated to support technologies that implement enterprise mashups?

a) Open Alliance Apache

b) Open Mashup Alliance

c) Open Tech Alliance

d) None of the mentioned

[View Answer](#)

Answer: b

Explanation: This group predicts that the use of mashups will grow by a factor of 10 within just a few years.

154. Which of the following attribute should be unique?

- a) identity
- b) digital identity
- c) mashup
- d) all of the mentioned

[View Answer](#)

Answer: b

Explanation: A digital identity is those attributes and metadata of an object along with a set of relationships with other objects that makes an object identifiable.

155. Point out the wrong statement.

- a) Distributed transaction systems such as internetworks or cloud computing systems magnify the difficulties faced by identity management systems
- b) Services that provide digital identity management as a service have been part of internetworked systems from Day One
- c) IDaaS Server establishes the identity of a domain as belonging to a set of assigned addresses
- d) None of the mentioned

[View Answer](#)

Answer: c

Explanation: The name servers that run the various Internet domains are IDaaS servers.

156. _____ authentication requires the outside use of a network security or trust service.

- a) SSO
- b) Singlefactor
- c) Multi Factor
- d) All of the mentioned

[View Answer](#)

Answer: c

Explanation: More secure authentication requires the use of at least two-factor authentication.

157. _____ is the assignment of a network identity to a specific MAC address that allows systems to be found on networks.

- a) Internet Hardware Addresses
- b) Ethernet Software Addresses
- c) Ethernet Hardware Addresses

d) None of the mentioned

[View Answer](#)

Answer: c

Explanation: Network interfaces are identified uniquely by Media Access Control (MAC) addresses, which alternatively are referred to as Ethernet Hardware Addresses.

158. _____ is one of the more expensive and complex areas of network computing.

a) Multi-Factor Authentication

b) Fault tolerance

c) Identity protection

d) All of the mentioned

[View Answer](#)

Answer: c

Explanation: Ticket or token providing services, certificate servers, and other trust mechanisms all provide identity services that can be pushed out of private networks and into the cloud.

159. Which of the following is provided by Identity as a Service?

a) Identity governance

b) Provisioning

c) Risk and event monitoring

d) All of the mentioned

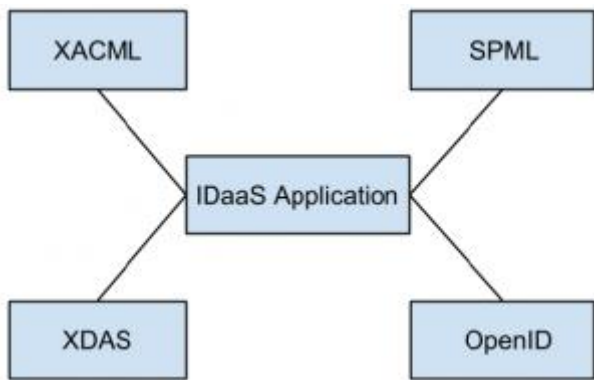
[View Answer](#)

Answer: d

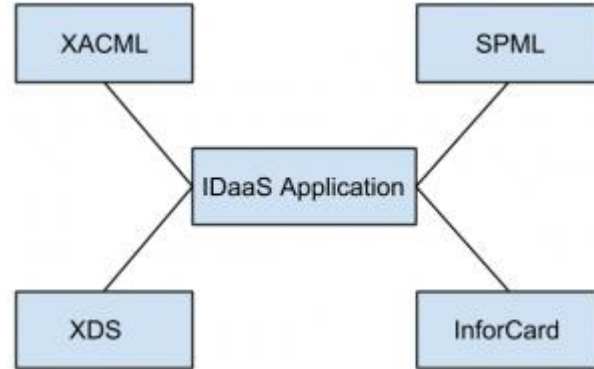
Explanation: Identity as a Service or the related hosted (managed) identity services may be the most valuable and cost effective distributed service types you can subscribe to.

16 t standards needed by IDaaS applications for interoperability?

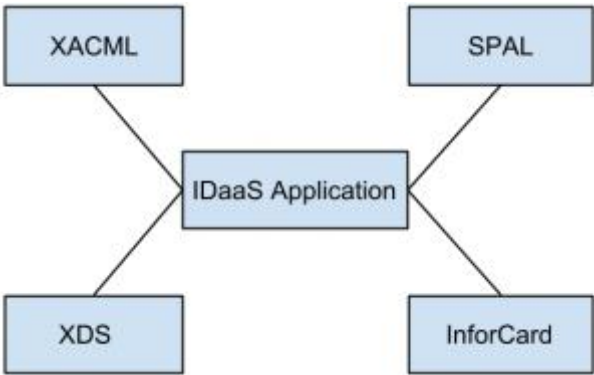
a)

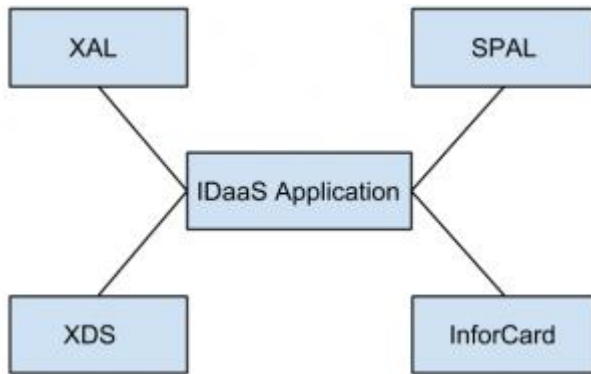


b)



c)





d)
[View Answer](#)

Answer: a

Explanation: Cloud computing IDaaS applications must rely on a set of developing industry standards to provide interoperability.

•

Cloud Computing Questions and Answers – IDaaS – 2

This set of Cloud Computing Interview Questions and Answers for experienced people focuses on “IDaaS – 2”

161. Any software application that complies with the standard accepts a _____ that is authenticated by a trusted provider.

- a) OpenID
- b) OpenUser
- c) OpenSSD
- d) None of the mentioned

[View Answer](#)

Answer: a

Explanation: When an identity is created in an OpenID system, that information is stored in the system of any OpenID service provider and translated into a unique identifier.

162. Point out the wrong statement.

- a) XML checks the ID request against its policies and either allows or denies the request
- b) SPML in most instances operates as a reply/request mechanism
- c) User centric authentication takes place usually in the form of knowledge cards
- d) All of the mentioned

[View Answer](#)

Answer: b

Explanation: In SAML, a service provider passes a statement or set of statements (called assertions) to an identity provider that must be evaluated.

163. Which of the following allows a distributed ID system to write and enforce custom policy expressions?

- a) XACML
- b) XML
- c) SOAP
- d) None of the mentioned

[View Answer](#)

Answer: a

Explanation: This is a general-purpose authorization policy language.

164. _____ is a standard of OASIS's PSTC that conforms to the SOA architecture.

- a) XACML
- b) SPML
- c) SML
- d) All of the mentioned

[View Answer](#)

Answer: b

Explanation: SPML is an XML request/response language that is used to integrate and interoperate service provisioning requests.

165. Point out the wrong statement.

- a) Distributed transaction systems such as internetworks or cloud computing systems magnify the difficulties faced by identity management systems
- b) The Distributed Audit Service provides accountability for users accessing a system
- c) The OpenID and CardSpace specifications support the authentication type of data object
- d) None of the mentioned

[View Answer](#)

Answer: c

Explanation: OpenID is a developing industry standard for authenticating "end users" by storing their digital identity in a common format.

167. Which of the following standard is concerned with the exchange and control of identity information?

- a) IGK
- b) IDF
- c) IGF
- d) All of the mentioned

[View Answer](#)

Answer: c

Explanation: The Identity Governance Framework (IGF) is a standards initiative of the Liberty Alliance.

168. _____ is a Microsoft software client that is part of the company's Identity Metasystem and built into the Web Services Protocol Stack.

- a) IHA
- b) EHA
- c) CardSpace
- d) None of the mentioned

[View Answer](#)

Answer: c

Explanation: CardSpace was introduced with .NET Frameworks 3.0 and can be installed on Windows XP, Server 2003, and later.

169. The _____ Open Source Identity Framework is used to create a vendor-neutral cloud-based authentication service.

- a) Higgins
- b) Hughes
- c) Hinges
- d) All of the mentioned

[View Answer](#)

Answer: a

Explanation: The Higgins Open Source Identity Framework uses an i-Card metaphor.

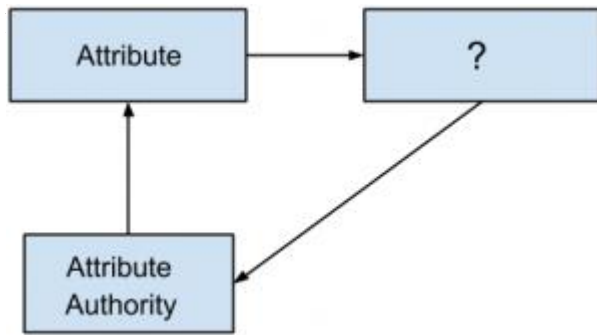
170. Which of the following is authorization markup language?

- a) eXtensible Access Control Markup Language
- b) intrinsic Access Control Markup Language
- c) hypertext Access Control Markup Language
- d) all of the mentioned

[View Answer](#)

Answer: a

Explanation: A policy in XACML describes a subject element that requests an action from a resource.



Place of question mark for the following figure?

- a) Policy Enforcement Point
 - b) Policy Decision Point
 - c) Policy Insertion Point
 - d) All of the mentioned
- [View Answer](#)

Answer: b

Explanation: SAML integrates with XACML to implement a policy engine in a Service Oriented Architecture to support identity services authorization.

•

Cloud Computing Questions and Answers – CaaS

This set of Interview Questions and Answers focuses on “CaaS – Communication as a Service”.

172. Which of the following is an example of a vertical cloud that advertise CaaS capabilities?

- a) FedCloud
- b) ClearPoint PCI
- c) Rackserve PCI
- d) All of the mentioned

[View Answer](#)

Answer: d

Explanation: It's much easier to envisage a CaaS system built inside a private cloud where the data is under the control of a single entity.

173. Point out the wrong statement.

- a) SPML is used to prepare Web services and applications for use

- b) With SPML, a system can provide automated user and system access
- c) Without a provisioning system, a cloud computing system can be very efficient and potentially reliable
- d) All of the mentioned

[View Answer](#)

Answer: c

Explanation: Without a provisioning system, a cloud computing system can be very inefficient and potentially unreliable.

174. Which of the following allows a distributed ID system to write and enforce custom policy expressions?

- a) XACML
- b) XML
- c) SOAP
- d) None of the mentioned

[View Answer](#)

Answer: a

Explanation: This is a general-purpose authorization policy language.

175. Which of the following is a man-in-the-middle type of service?

- a) CaaS
- b) IaaS
- c) AaaS
- d) All of the mentioned

[View Answer](#)

Answer: a

Explanation: A CaaS would need to be able to manage cloud relationships, understand security policies and procedures.

176. Point out the correct statement.

- a) Cloud computing by its very nature spans same jurisdictions
- b) SaaS is much more than simply providing an anonymous service token to an identity
- c) A Compliance as a Service application would need to serve as a trusted third party
- d) All of the mentioned

[View Answer](#)

Answer: c

Explanation: CaaS may need to be architected as its own layer of an SOA architecture in order to be trusted.

177. Which of the following can be used for the banking industry?

- a) athenahealth
- b) bankserve
- c) bankingsol
- d) all of the mentioned

[View Answer](#)

Answer: b

Explanation: Athenahealth is used for the medical industry.

178. _____ as a Service is a hosted application that is the cloud equivalent of a traditional desktop application.

- a) Software
- b) Platform
- c) Analytics
- d) Compliance

[View Answer](#)

Answer: a

Explanation: Most of the cloud computing compliance systems to date have been built using private clouds.

179. Which of the following is a PCI CaaS service?

- a) FedCloud
- b) ClearSoln
- c) Rackserve PCI
- d) All of the mentioned

[View Answer](#)

Answer: c

Explanation: FedCloud is used for government.

180. _____ is used for merchant transactions under the Payment Card Industry Data Security Standard.

- a) ClearPoint PCI
- b) ClearSoln
- c) Rackserve PCI
- d) All of the mentioned

[View Answer](#)

Answer: a

Explanation: Organizations can manage PCI compliance risk more effectively with the help of ClearPoint PCI.

181. _____ as a Service is a development environment that builds upon an existing cloud computing application infrastructure.

- a) Software
 - b) Platform
 - c) Analytics
 - d) Compliance
- [View Answer](#)

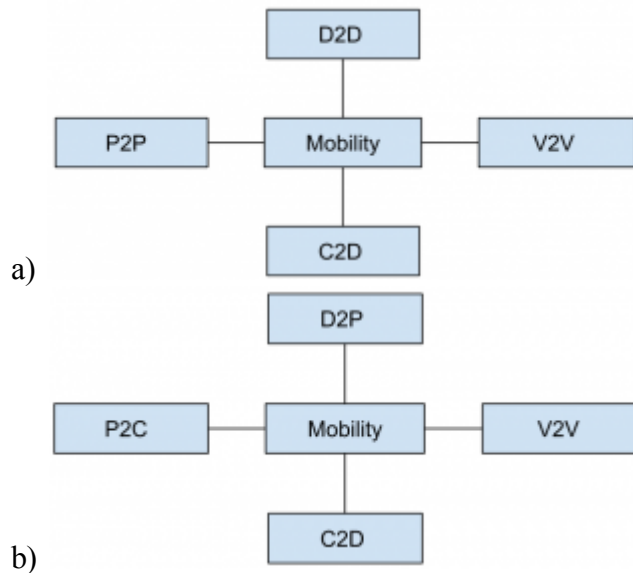
Answer: b

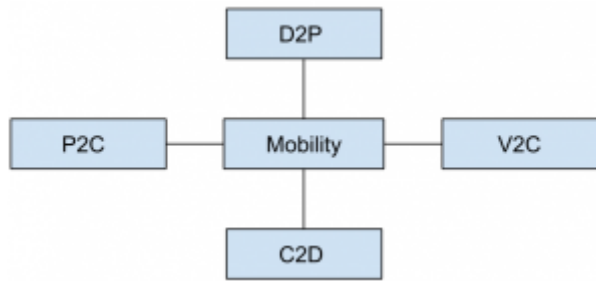
Explanation: Service types are models upon which distributed applications are created and hosted.

Cloud Computing Questions and Answers – Virtualization Technologies

This set of Cloud Computing Multiple Choice Questions & Answers (MCQs) focuses on “Virtualization Technologies”.

182. Which of the following correctly represents different types of mobile patterns?





- c)
d) All of the mentioned
[View Answer](#)

Answer: a

Explanation: You can define the features in software and hardware that enables flexibility as conforming to one or more of the mobility patterns.

183. 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
[View Answer](#)

Answer: c

Explanation: Several important cloud computing approaches use a strictly hardware-based approach to abstraction.

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

- a) Storage
b) Application
c) CPU
d) All of the mentioned
[View Answer](#)

Answer: d

Explanation: To enable these characteristics, resources must be highly configurable and flexible.

185. The technology used to distribute service requests to resources is referred to as _____

- a) load performing
b) load scheduling
c) load balancing
d) all of the mentioned
[View Answer](#)

Answer: c

Explanation: Load balancing is an optimization technique.

186. 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

[View Answer](#)

Answer: d

Explanation: Alternatively, systems can be virtualized through load-balancing technologies.

187. Which of the following software can be used to implement load balancing?

- a) Apache mod_balancer
- b) Apache mod_proxy_balancer
- c) F6's BigIP
- d) All of the mentioned

[View Answer](#)

Answer: b

Explanation: Load balancing can be used to increase utilization and throughput, lower latency, reduce response time, and avoid system overload.

188. 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

[View Answer](#)

Answer: d

Explanation: Load balancing provides the necessary redundancy to make an intrinsically unreliable system reliable through managed redirection.

189. Which of the following is a more sophisticated load balancer?

- a) workload managers
- b) workspace managers
- c) rackserve managers
- d) all of the mentioned

[View Answer](#)

Answer: a

Explanation: They determine the current utilization of the resources in their pool.

190. A _____ is a combination load balancer and application server that is a server placed between a firewall or router.

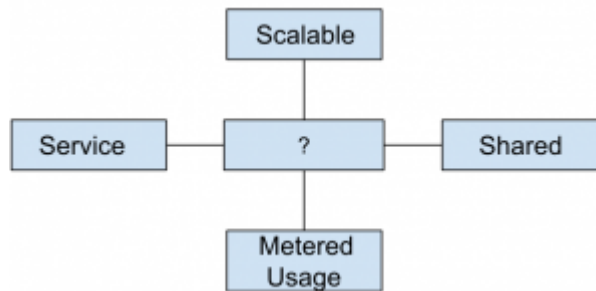
- a) ABC
- b) ACD
- c) ADC
- d) All of the mentioned

[View Answer](#)

Answer: c

Explanation: An Application Delivery Controller is assigned a virtual IP address (VIP) that maps to a pool of servers based on application specific criteria.

191. Which of the following should be replaced with the question mark in the following figure?



- a) Abstraction
- b) Virtualization
- c) Mobility Pattern
- d) All of the mentioned

[View Answer](#)

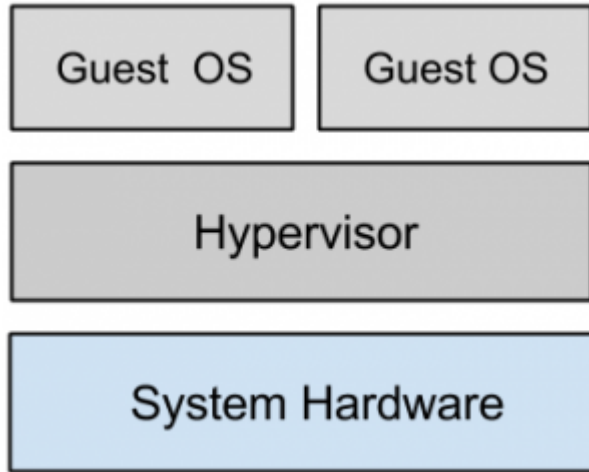
Answer: b

Explanation: Virtualization is a key enabler of the first four of five key attributes of cloud computing.

Cloud Computing Questions and Answers – Hypervisors – 1

This set of Cloud Computing Multiple Choice Questions & Answers (MCQs) focuses on “Hypervisors – 1”.

192. Which type of Hypervisor is shown in the following figure?



- a) Type 1
 - b) Type 2
 - c) Type 3
 - d) All of the mentioned
- [View Answer](#)

Answer: a

Explanation: A hypervisor running on bare metal is a Type 1 VM or native VM.

193. Point out the wrong statement.

- a) Load balancing virtualizes systems and resources by mapping a logical address to a physical address
- b) Multiple instances of various Google applications are running on different hosts
- c) Google uses hardware virtualization
- d) All of the mentioned

[View Answer](#)

Answer: c

Explanation: Google performs server load balancing to distribute the processing load and to get high utilization rates.

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

- a) hardware virtual machine
- b) software virtual machine
- c) real machine
- d) none of the mentioned

[View Answer](#)

Answer: a

Explanation: Some virtual machines are designed to run only a single application or process and are referred to as process virtual machines.

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

- a) VMM
- b) VMC
- c) VNM
- d) All of the mentioned

[View Answer](#)

Answer: a

Explanation: VMM is another name for Hypervisor.

196. 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

[View Answer](#)

Answer: d

Explanation: This makes virtual machine technology very useful for running old versions of operating systems, testing applications in what amounts to a sandbox.

197. An operating system running on a Type _____ VM is full virtualization.

- a) 1
- b) 2
- c) 3
- d) All of the mentioned

[View Answer](#)

Answer: a

Explanation: Because it is a complete simulation of the hardware that it is running on.

198. Which of the following is Type 1 Hypervisor?

- a) Wind River Simics
- b) Virtual Server 2005 R2
- c) KVM

d) LynxSecure

[View Answer](#)

Answer: d

Explanation: Type 1 VMs have no host operating system because they are installed on a bare system.

199. Which of the following is Type 2 VM?

a) VirtualLogix VLX

b) VMware ESX

c) Xen

d) LynxSecure

[View Answer](#)

Answer: c

Explanation: Xen is used by Amazon Web Services to provide Amazon Machine Instances (AMIs).

200. Which of the following will be the host operating system for Windows Server?

a) VirtualLogix VLX

b) Microsoft Hyper-V

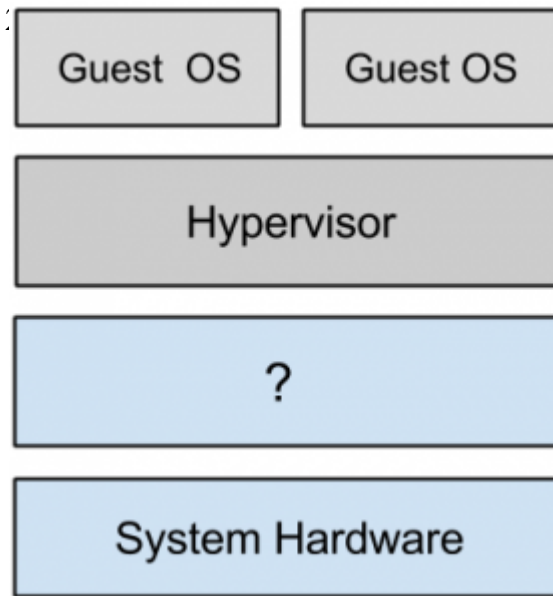
c) Xen

d) All of the mentioned

[View Answer](#)

Answer: b

Explanation: Type 2 virtual machines are installed over a host operating system.



placed in second lowermost layer for the following figure?

- a) Host Operating System
 - b) Software
 - c) VM
 - d) None of the mentioned
- [View Answer](#)

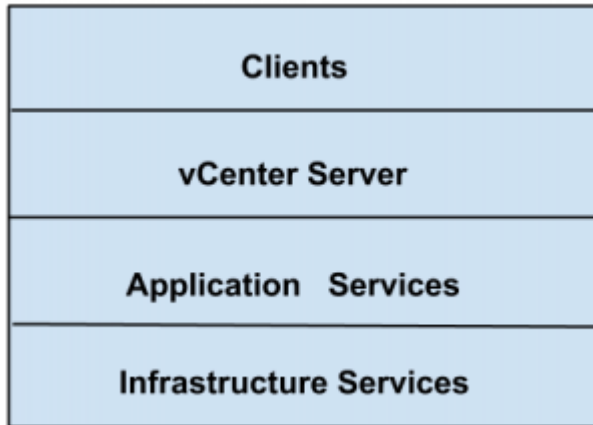
Answer: a

Explanation: Examples of Type 2 Virtual Machine Monitors are Containers, KVM, Microsoft Hyper V and Parallels Desktop for Mac

Cloud Computing Questions and Answers – Hypervisors – 2

This set of Cloud Computing Test focuses on “Hypervisors – 2”.

202. What does the following figure represent?



- a) vSquare cloud infrastructure
- b) vCube cloud infrastructure
- c) vSphere cloud infrastructure
- d) None of the mentioned

[View Answer](#)

Answer: c

Explanation: vSphere is the branding for a set of management tools and a set of products previously labeled VMware Infrastructure.

203. Point out the wrong statement.

- a) Some hypervisors are installed over an operating system and are referred to as Type 2 or hosted VM
- b) All CPUs support virtual machines
- c) On a Type 2 VM, a software interface is created that emulates the devices with which a system would normally interact
- d) All of the mentioned

[View Answer](#)

Answer: b

Explanation: Not all CPUs support virtual machines and many that do require that you enable this support in the BIOS.

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

- a) paravirtualization
- b) full virtualization
- c) emulation
- d) none of the mentioned

[View Answer](#)

Answer: a

Explanation: It is the host operating system that is performing the I/O through a para-API.

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

- a) paravirtualization
- b) full virtualization
- c) emulation
- d) none of the mentioned

[View Answer](#)

Answer: c

Explanation: A guest operating system using emulation does not need to be modified in any way.

206. Point out the wrong statement.

- a) 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
- b) Guest operating systems in full virtualization systems are generally faster than other virtualization schemes
- c) A process virtual machine instantiates when a command begins a process
- d) All of the mentioned

[View Answer](#)

Answer: a

Explanation: An operating system running as a guest on a paravirtualization system must be ported to work with the host interface.

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

- a) paravirtualization
- b) full virtualization
- c) emulation
- d) none of the mentioned

[View Answer](#)

Answer: b

Explanation: All operating systems in full virtualization communicate directly with the VM hypervisor.

208. Which of the following operating system support operating system virtualization?

- a) Windows NT
- b) Sun Solaris
- c) Windows XP

d) Compliance

[View Answer](#)

Answer: b

Explanation: This type of virtualization creates virtual servers at the operating system or kernel level.

209. Which of the following is a service that aggregates servers into an assignable pool?

a) VMware vStorage

b) VMware vNetwork

c) VMware vCompute

d) Application services

[View Answer](#)

Answer: c

Explanation: VMware vSphere is a management infrastructure framework that virtualizes system, storage, and networking hardware to create cloud computing infrastructures.

210. _____ is a service that creates and manages virtual network interfaces.

a) VMware vStorage

b) VMware vNetwork

c) VMware vCompute

d) Application services

[View Answer](#)

Answer: b

Explanation: VMware vStorage is a service that aggregates storage resources into an assignable pool.