Cloud computing

Question 1

The reporting services of cloud helps in-

1. Monitoring Billing
2. Ensuring the optimum usage of resources
3. Automation

1) 1 And 2

2) 2 And 3

3) 1 And 3

4) 1,2 and 3

Answer: 1

Question 2

Portscan provides which of the following information about the network?

1. It finds the open ports on a network
2. It finds out if the ports are receiving or sending data
3. It finds out it firewalls are installed

1) 1,2 and 3

2) 1 and 2

3) 1 and 3

4) 2 and 3

Answer: 1

Question 3

Bridge (networking component) can be used to join

1. An unshielded twisted-pair (UTP) cabling and fiber-optic cabling

11. Token Ring and Ethernet

1) Only II

2) Both I and II

3) Only I

4) Neither I Nor IL

Answer: 2

Question 4

Which of the Following type of error occurs in both parallel and serial communication system?

1) Burst Error

2) Single bit errors

3) All of the mentioned options

4) Multiple Bit Errors

Answer: 2

Question 5

which of the following service in a IPSec is provided by encapsulating security payload(ESP) but not by identification header(AH) protocol?

1) Message authentication (message integrity)

2) confidentiality

3) Access-control

4) Replay attack protection

Answer: 2

Question 6

If you want to share data between different EC2 instances then which of the following files Storage solution you should opt for?

1) EBS

2) S3

3) EFS

4) Storage Gateway

Answer: 3

Question 7

In which the following the hypervisor is installed on a physical server (host) and a guest OS is installed into the environment?

software assisted full virtualization

hardware assisted full virtualization

Paravirtualization

1) 1 And 2

2) Only 3

3) 2 and 3

4) 1,2 and 3

Answer: 3

Question 8 The higher order bits of the first octet of class E are always set to-	1) 1111	2) 10
	3) 110	4) 1110
	Answer: 1	

Question 9 which of the following Cloud Service model provides the Runtime environment for applications, development and deploymenttools , ect?	1) IaaS	2) PaaS
	3) IDaaS	4) SaaS
	Answer: 2	

Question 10 Microsoft Office 365 is an example of which of the following type of Cloud Service model?	1) IaaS	2) IDaaS
	3) PaaS	4) SaaS
	Answer: 4	

Question 11 Which of the following is used to establish a VPN connection?	1) Nginx	2) OpenSwan
	3) HAProxy	4) Zeus
	Answer: 2	

Question 12 find the hamming distance between 11111000 and 10000111	1) 4	2) 6
	3) 5	4) 7
	Answer: 4	

Question 13 which of the following type of cloud deployment model is used for Cloud Service needs to persue computing resources from user clouds because its own resources are being utilized full capacity?	1) Hybrid cloud	2) Community cloud
	3) Private cloud	4) Public cloud
	Answer: 1	

Question 14 which of the following layer of a model adds logical addresses of the Sender and receivers?	1) transport layer	2) network layer
	3) data link layer	4) session layer
	Answer: 2	

Question 15 which of the following are functions of the physical layer of OSI model? 1. defining the way in which of the data Flows between Two connected devices	1) 2 and 3	2) 1 and 3
	3) 1,2 and 3	4) 1 and 2
	Answer: 3	

2. It specifies the physical topologies

3. Defines the transmission rate

Question 16
The coefficient of the term X0 in a good polynomial generator should be-

1) 3	2) 1
3) 4	4) 2

Answer: 2

Question 17
which of the following statement is correct for AWS data migration service?

1.it somehow it supports the homogeneous migration such as Oracle to Oracle

2. it supports the homogeneous migration such as Microsoft SQL server to Amazon

3. sources database remains unoperational during the migration

1) 1 and 3	2) 1,2 and 3
3) 2 and 3	4) 1 and 2

Answer: 4

Question 18
which of the following you should use in a service price models as per criteria for defining the price you pay for the cloud services?

1. SLA Realized
2. Risk transfer
3. Computing or processing power

1) 2 and 3	2) 1 and 2
3) 1 and 3	4) 1,2 and 3

Answer: 4

Question 19
Microsoft Azure is an example of which of the following type of Cloud Service model?

1) Paas	2) Iaas
3) Saas	4) IDaas

Answer: 2

Question 20
which of the following network device work only at the physical and data link layer of OSI model?

1) Bridge	2) Router
3) Switch	4) Gateway

Answer: 1

Question 21
which of which of the following network device is used to transmit digital signals over analog telephone lines?

1) Repeater	2) Modem
3) Hub	4) Switch

Answer: 2

Question 22
Which of the following protocol belongs to the internet layer of TCP/IP model?

1) SMTP	2) TCP
3) ARP	4) UDP

Answer: 3

Question 23

which of the following statement is correct for a variable Size framing in a data link layer?

1. A length field can be introduced in the same to indicate the length of the frame
2. End of the frame need to be defined.
3. Beginning of the next frame need to be defined

1) 1 and 2

2) 1 and 3

3) 1,2 and 3

4) 2 and 3

Answer: 2

Question 24

which of the following network device is uses a media access control (MAC) address for a transferring frames?

1) Repeater

2) Gateway

3) Router

4) Bridge

Answer: 3

Question 25

give an requirement which of the following cloud deployment model should be used?

1. The requirement for the resources is large that is there is a large user base.
2. The requirement for resources is varying.
3. The organization has financial constraints.

1) Private cloud

2) hybrid cloud

3) Community cloud

4) Public cloud

Answer: 2

Question 26

In AWS you can create a DB instance by using which of the following?

1. AWS management console
2. Amazon RDS APIs
3. Amazon command line Interface

1) 2 and 3

2) 1and 2

3) 1 and 3

4) 1 ,2 and 3

Answer: 4

Question 27

which of the following are the benefits of virtualization ?

1. resource efficiency
2. Faster previsioning
3. increased down time

1) 2 and 3

2) 1,2 and 3

3) 1 and 3

4) 1 and 2

Answer: 2

Question 28

240 to 254 is the first octet value range for which line following class of IP address?

1) class c

2) class E

3) class D

4) class B

Answer: 2

Question 29

A Stateful firewall maintains which of the following list of active connection?

1) Stable table

2) Routing table

3) Bridging table

4) Connection table

Answer: 2

Question 30

which of the following is managed by the operational architecture(Sub architecture of cloud architecture)

1) only 2

2) only 3

3)

4)

1. pricing
2. Network availability
3. Choice of middleware

1,2 and 3	2 and 3

Answer: 4

Question 31

which of the following statement is correct for a variable size framing in a data link layer?

1. A length field can be introduced in the frame to indicate the length of the frame
2. End of the frame need to be defined
3. Begging of the next frame need to be defined

1) 1,2 and 3	2) 1 and 2
3) 1 and 3	4) 2 and 3

Answer: 2

Question 32

which of the following network device work only at the physical and data link layer of OSI model?

1) Bridge	2) Router
3) Switch	4) gateway

Answer: 1

Question 33

identify the class of the given IP address.

230.255.255.254

1) class A	2) class D
3) Class C	4) Class E

Answer: 2

Question 34

A stateful firewall maintains which of the following list of active connection?

1) Bridge table	2) stable table
3) connection table	4) Routing table

Answer: 4

Question 35

Which of following the following type of error occurs in both parallel and serial communication system?

1) Burst error	2) single Bit error
3) Multiple bit error	4) All of the above options

Answer: 2

Question 36

For which of the following type of virtualization guest operating system's source information will not be modified?

1. software assisted full virtualization
2. Hardware assisted full virtualization
3. Paravirtualization

1) 2 and 3	2) 1,2 and 3
3) only 3	4) 1 and 2

Answer: 4

Question 37

Terminators are used in which of the following type of topologies?

1) Ring Topology	2) Mesh Topology
3) Hybrid Topology	4) Bus topology

Answer: 4

Question 38

Which of the following statement is correct for a router?
1. It has a single collision domain
2. It has a multiple collision domain
3. It has a single broadcast domain

1) 2 and 3

2) Only 2

3) Only 3

4) 1 and 3

Answer: 2

Question 39

Terminators are used in which of the following type of topologies?

1) Bus topology

2) Ring topology

3) Hybrid topology

4) Mesh topology

Answer: 1

Question 40

Find the Hamming distance between 11111000 and 10000111?

1) 4

2) 6

3) 7

4) 7

Answer: 3

Question 41

Which of the following information is present in the IPv4 header but not in IPv6 header?

1) Time To Live

2) Version

3) HOP Limit

4) Source address

Answer: 1

Question 42

Which of the following information is present in the IPv4 header but not in IPv6 header?

1) Time To Live

2) Version

3) HOP Limit

4) Source address

Answer: 1

Question 43

201.222.5.6.
What is the class of the given IP address?

1) Class C

2) Class B

3) Class A

4) Class D

Answer: 1

Question 44

Which of the following is an application monitoring and observability service?

1) Amazon Route 53

2) Amazon CloudWatch

3) Amazon ElastiCache

4) Amazon EC2

Answer: 2

Question 45

Which of the following is used to establish a VPN connection?

1) Nginx

2) Zeus

3) OpenSwan

4) HAProxy

Answer: 3

Question 46

Which of the following statement is correct for AWS Data migration services ?
1. It supports homogenous migrations such as oracle to oracle
2. It supports heterogenous migrations such as Microsoft SQL server to Amazon Aurora
3. The source database remains unoperational during the migration

1) 1, 2 and 3

2) 1 and 3

3) 1 and 2

4) 2 and 3

Answer: 3

Question 47

Which of the following statement is correct for AWS Data migration services ?
1. It supports homogenous migrations such as oracle to oracle
2. It supports heterogenous migrations such as Microsoft SQL server to Amazon Aurora
3. The source database remains unoperational during the migration

1) 1, 2 and 3

2) 1 and 3

3) 1 and 2

4) 2 and 3

Answer: 3

Question 48

In TCP/IP model, which of the following protocol is used on link layer ?

1) ARP

2) UDP

3) FTP

4) DNS

Answer: 1

Question 49

The coefficient of the term x^0 in a good polynomial generator should be -

1) 3

2) 4

3) 2

4) 1

Answer: 4

Question 50

Which of the following statement is correct for UDP protocol ?
1. UDP supports packet switching
2. UDP is a null protocol if you remove the checksum field
3. SMTP implementation uses UDP as a transport layer protocol

1) 1 and 3

2) 1 and 2

3) 2 and 3

4) 1, 2 and 3

Answer: 2

Question 51

Identify as a service (IDaas) includes -
1. Authentication services
2. Registration information
3. Risk and event monitoring

1) 1 and 3

2) 1, 2 and 3

3) 2 and 3

4) 1 and 2

Answer: 1

Question 52

Which of the following metric shows the ratio of time assistant or component is functional to the total time it is required or expected to function ?

1) Throughput Metric

2) Reliablity Metric

3) Service/System Availablity Metric

4) Response Time Metric

Answer: 3

Question 53

Which of the following network device uses Media Access Control (MAC) addresses for transferring frames?

1) Gateway

2) Repeater

3) Router

4) Bridge

Answer: 3

Question 54

In the application layer of TCP/IP model, which of the following protocol is used by the router for transferring files?
1. FTP
2.TFTP
3.NFS

1)
1 and 2

2)
2 and 3

3)
1 and 3

4)
1, 2 and 3

Answer: 4

Question 55

In the Internet, the checksum technique is mostly used at which of the following layer of OSI model?
1. Network layer
2. Transport layer
3. Data link layer

1)
1 and 2

2)
2 and 3

3)
1 and 3

4)
1, 2 and 3

Answer: 1

Question 56

The reporting services of cloud helps in -
1. Monitoring billing
2. Ensuring the optimum usage of resources
3. Automation

1)
2 and 3

2)
1 and 3

3)
1, 2 and 3

4)
1 and 2

Answer: 2

Question 57

A stateful firewall maintains which of the following list of active connections

1)
Bridging table

2)
Connection table

3)
State table

4)
Routing table

Answer: 4

Question 58

which of the following statement is correct for variable size framing in data link layer ?
1. A length field can be introduced in the frame to indicate the length of the frame
2. End of the frame need to be defined
Beginning of the next frame need to be defined

1)
2 and 3

2)
1 and 3

3)
1 and 2

4)
1, 2 and 3

Answer: 2

Question 59

If several government entities decided to have a common cloud platform for data storage then, which of the following type of deployment model should be used?

1)
Community cloud

2)
Private cloud

3)
Public cloud

4)
Hybrid cloud

Answer: 1

Question 60

In cloud computing, the concept of _____helps in pooling and sharing of resources.

1)
Abstraction

2)
Virtualization

3)
Polymorphism

4)
All of the mentioned options

Answer: 2

Question 61

Which of the following protocol belongs to the internet layer of TCP? IP model ?

1)
SMTP

2)
ARP

3)

4)

	TCP	UDP
	Answer: 2	

Question 62
Terminators are used in which of the following type of topologies?

1) Mesh topology	2) Hybrid topology
3) Bus topology	4) Ring topology

Answer: 3

Question 63
The higher order bits of the first order of class E are always set to -

1) 110	2) 1111
3) 10	4) 1110

Answer: 2

Question 64
In which of the following type of cyber attack the attackers attack after a network vulnerability's announced but before a patch aor solution is implemented?

1) Phishing	2) Zero-day exploit
3) SQL injection	4) DNS Tunneling

Answer: 2

Question 65
If the distance of a cable link in a point-to-point WAN is 2000 Km and the propagation speed of the bits in the cable is 2 x 108 meters/second, then find the propagation delay.

1) 0.1 ms	2) 10 ms
3) 1 ms	4) 100 ms

Answer: 2

Question 66
Which of the following are the benefits of virtualization?
1. Resources efficiency
2. Faster provisioning
3. Increased downtime

1) 1 and 2	2) 1 and 3
3) 2 and 3	4) 1, 2 and 3

Answer: 1

Question 67
Microsoft Azure is an example of which of the following type of cloud service model?

1) PaaS	2) IaaS
3) SaaS	4) IDaaS

Answer: 2

Question 68
Identify the class of the given Ip address.
211.1.1.1

1) Class D	2) Class C
3) Class A	4) Class B

Answer: 2

Question 69
In Even parity (in error detection) the parity bit is zero for -

1) 10101101	2) 10111000
3)	4)

	11001110	10110110
	Answer: 2	

Question 70

Which of the following network device work only at the Physical and Data Link layers of the OSI model?

1) Bridge	2) Gateway
3) Router	4) Switch

Answer: 1

Question 71

In cloud computing, the concept of _____ helps in pooling and sharing of resources.

1) Virtualization	2) All of the mentioned options
3) Polymorphism	4) Abstraction

Answer: 1

Question 72

In Windows Azure, every entity can incorporate up to _____ properties to store data.

1) 64	2) 128
3) 252	4) 256

Answer: 3

Question 73

which of the following you should use in service price models as the criteria for defining the price you for the cloud service?

1) 2 and 3	2) 1, 2 and 3
3) 1 and 3	4) 1 and 2

Answer: 2

Question 74

The reporting service of cloud helps in -
1. Monitoring billing
2.Ensuring the optimum usage of resources
3.Automation

1) 2 and 3	2) 1 and 3
3) 1, 2 and 3	4) 1 and 2

Answer: 4

Question 75

240 to 254 is the first octet value range for which of the following class of IP address?

1) Class C	2) Class E
3) Class D	4) Cass B

Answer: 2

Question 76

Which of the following is a 2 port networking device?
1. Repeater
2. Hub
3. Bridge

1) 1, 2 and 3	2) 1 and 3
3) 1 and 2	4) 2 and 3

Answer: 1

Question 77

In the application layer of TCP/IP model, which of the following protocol is used by the router for transferring files?
1. FTP

1) 2 and 3	2) 1, 2 and 3
3)	4)

2. TFTP
3. NFS

1 and 2

1 and 3

Answer: 2

Question 78
Which of the following statement is correct for a router?
1. It has a single collision domain
2. It has a multiple collision domain
3. It has a single broadcast domain

1)
2 and 3

2)
Only 2

3)
Only 3

4)
1 and 3

Answer: 1

Question 79
Arrange the following cloud deployment model in descending order of the number of tenancy.
1. Private
2. Public
3. Community

1)
1-3-2

2)
2-3-1

3)
3-2-1

4)
1-2-3

Answer: 2

Question 80
For the given requirements which of the following cloud deployment model should be used?
1. The organization have a sufficient amount of funds
2. The organization considers data security to be the most important aspect
3. The organization wants complete control over the cloud

1)
Community Cloud

2)
Hybrid cloud

3)
Public cloud

4)
Private cloud

Answer: 4

Question 81
from the given example find out the type of cyber attack.
EXAMPLE:
If a hacker attempts to get into the admin section of a site xyz.com, they may type in http://xyz.com/admin, and this will bring them to an admin login page. In some cases, the admin username and password may be default "admin" or very easy to guess. The attacker then gains access, and can manipulate, steal, or delete data at will.

1)
SQL Injection Attack

2)
URL Interpretation

3)
DNS Spoofing

4)
Denial-of-service (DoS) Attack

Answer: 1

Question 82
Which of the following is an example of IaaS(Infrastructure-As-A-Service) cloud computing?

1)
Google Classroom

2)
Apache Stratos

3)
Digital Ocean

4)
All of the mentioned options

Answer: 3

Question 83
Which of the following layer decides the ideal topology type for node arrangement in a network?

1)
Network Layer

2)
Transport Layer

3)
Presentation Layer

4)
Physical Layer

Answer: 4