

Cloud Computing

1. What is Cloud Computing?

- a) Cloud Computing means providing services like storage, servers, database, networking, etc
- b) Cloud Computing means storing data in a database
- c) Cloud Computing is a tool used to create an application
- d) None of the mentioned

Answer: a

Explanation: Cloud computing means providing services like storage, servers, database, networking, etc. over the internet without the user managing it directly. The data stored can be accessed by an authorized user anywhere anytime provided the user must have an internet connection and a device.

2. Who is the father of cloud computing?

- a) Sharon B. Codd
- b) Edgar Frank Codd
- c) J.C.R. Licklider
- d) Charles Bachman

Answer: c

Explanation: In the 1960s J.C.R. Licklider wanted to connect people and share data anytime from anywhere, hence he invented Cloud Computing.

3. Which of the following is not a type of cloud server?

- a) Public Cloud Servers
- b) Private Cloud Servers
- c) Dedicated Cloud Servers
- d) Merged Cloud Servers

Answer: d

Explanation: In Public Servers the users share the hardware, storage, and networks. Private Servers provide high security to the data stored through firewalls and internal hosting. Also, in the private cloud, the user can customize their servers with add-ons. In Dedicated Servers, the server completely belongs to a particular organization or a company.

4. Which of the following are the features of cloud computing?

- a) Security
- b) Availability
- c) Large Network Access
- d) All of the mentioned

Answer: d

Explanation: One of the important features is security, the data stored is secured and cannot be accessed by unauthorized parties. In case the user exhausts the storage space allocated, the user can buy extra storage for a less amount. The data stored can be accessed by any authorized user anywhere anytime provided the user must have an internet connection and a device.

5. Which of the following is a type of cloud computing service?

- a) Service-as-a-Software (SaaS)
- b) Software-and-a-Server (SaaS)
- c) Software-as-a-Service (SaaS)
- d) Software-as-a-Server (SaaS)

Answer: c

Explanation: Software as a Service, is the most widely used choice for enterprises. SaaS makes use of the internet to offer apps to consumers that are controlled by a third-party vendor.

6. Which of the following is the application of cloud computing?

- a) Adobe
- b) Paypal
- c) Google G Suite
- d) All of the above

Answer: d

Explanation: Adobe Creative Cloud is used in the art sector. Paypal is an online payment application. Google G Suite is the best storage and backup application used by google.

7. Which of the following is an example of the cloud?

- a) Amazon Web Services (AWS)
- b) Dropbox
- c) Cisco WebEx
- d) All of the above

Answer: d

Explanation: Amazon Web Services (AWS), Dropbox, and Cisco WebEx are examples of cloud.

8. Applications and services that run on a distributed network using virtualized resources is known as

-
- a) Parallel computing
 - b) Soft computing
 - c) Distributed computing
 - d) Cloud computing

Answer: d

Explanation: Cloud computing refers to the delivery of services such as storage, servers, databases, networking, and other functions through the internet without the need for the user to manage them directly. These applications are accessed by common Internet protocols and networking standards.

9. Which of the following is an example of a PaaS cloud service?

- a) Heroku
- b) AWS Elastic Beanstalk
- c) Windows Azure
- d) All of the above

Answer: d

Explanation: PaaS stands for Platform-as-a-Service. In PaaS, the users receive hardware or software tools from the users on the internet. AWS Elastic Beanstalk, Windows Azure, Heroku are example of a PaaS service.

10. Which of the following is an example of an IaaS Cloud service?

- a) DigitalOcean
- b) Linode
- c) Rackspace
- d) All of the above

Answer: d

Explanation: IaaS stands for Infrastructure-as-a-Service. In IaaS, the users receive computing resources like software or hardware tools virtually over the internet. DigitalOcean, Linode, Rackspace are the example of an IaaS service.

11. Which of the following is the correct statement about cloud computing?

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

Answer: a

Explanation: Abstraction and Virtualization are the two essential concepts.

12. Point out the wrong statement.

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

Answer: c

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

13. Which of the following model attempts to categorize a cloud network based on four dimensional factors?

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

Answer: a

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

14. Which of the following is the correct statement about cloud types?

- a) 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
- b) A deployment model defines the purpose of the cloud and the nature of how the cloud is located
- c) Service model defines the purpose of the cloud and the nature of how the cloud is located

d) All of the mentioned

Answer: b

Explanation: Four types of deployment models exist.

15. Which architectural layer is used as a backend in cloud computing?

- a) cloud
- b) soft
- c) client
- d) all of the mentioned

Answer: a

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

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

- a) noise
- b) propagation
- c) latency
- d) all of the mentioned

Answer: c

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

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

- a) Web-application frameworks
- b) Service-oriented architecture
- c) Standardized Web services
- d) All of the mentioned

Answer: b

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.

18. Which of the following is the correct statement?

- a) Cloud computing presents new opportunities to users and developers
- b) Service Level Agreements (SLAs) is small aspect of cloud computing
- c) Cloud computing does not have impact on software licensing
- d) All of the mentioned

Answer: a

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

19. What is the correct formula to calculate the cost of a cloud computing deployment?

- a) $\text{CostCLOUD} = \Sigma(\text{UnitCostCLOUD} / (\text{Revenue} + \text{CostCLOUD}))$
- b) $\text{CostCLOUD} = \Sigma(\text{UnitCostCLOUD} / (\text{Revenue} - \text{CostCLOUD}))$

- c) $\text{Cost}_{\text{CLOUD}} = \sum (\text{UnitCost}_{\text{CLOUD}} \times (\text{Revenue} - \text{Cost}_{\text{CLOUD}}))$
- d) None of the mentioned

Answer: b

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

20. Which of the following is the wrong statement about cloud computing?

- a) Private cloud doesn't employ the same level of virtualization
- b) Data center operates under average loads
- c) Private cloud doesn't pooling of resources that a cloud computing provider can achieve
- d) Abstraction enables the key benefit of cloud computing: shared, ubiquitous access

Answer: a

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

21. Identify the wrong statement about cloud computing.

- a) Virtualization assigns a logical name for a physical resource and then provides a pointer to that physical resource when a request is made
- b) Virtual appliances are becoming a very important standard cloud computing deployment object
- c) Cloud computing requires some standard protocols
- d) None of the mentioned

Answer: d

Explanation: Many of these protocols are standard Internet protocols.

22. Identify the correct statement about cloud computing.

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

Answer: d

Explanation: The most commonly used services uses a set of discovery and description protocols based on WSDL.

23. Point out the wrong statement.

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

Answer: b

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

24. Which of the following is required by Cloud Computing?

- a) That the identity be authenticated
- b) That the authentication be portable
- c) That you establish an identity
- d) All of the mentioned

Answer: d

Explanation: When applied to a number of users in a cloud computing system, these requirements describe systems that must provision identities.

25. Cloud computing is a concept that involves pooling physical resources and offering them as which sort of resource?

- a) cloud
- b) real
- c) virtual
- d) none of the mentioned

Answer: c

Explanation: Cloud computing means providing services like storage, servers, database, networking, etc. over the internet. It is a new model for provisioning resources, for staging applications, and for platform-independent user access to services.

26. Which of the following is the Cloud Platform provided by Amazon?

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

Answer: a

Explanation: Amazon Web Services (AWS), an Infrastructure as a Service (IaaS) offering that allows users to rent virtual machines on Amazon's own infrastructure, is one of the most successful cloud-based enterprises.

27. Into which expenditures does Cloud computing shift capital expenditures?

- a) local
- b) operating
- c) service
- d) none of the mentioned

Answer: b

Explanation: The nature of the service provider and its connection with its client is changing as a result of cloud computing.

28. Point out the wrong statement.

- a) With a pay-as-you-go, endlessly expandable, and universally available system, cloud computing realises the long-held goal of utility computing
- b) The widespread use of the Internet enables the huge size of cloud computing systems
- c) Soft computing represents a significant change in the way computers are delivered

d) All of the mentioned

Answer: c

Explanation: Cloud computing is differentiated by the idea that resources are virtual and infinite, and that the user is shielded from the specifics of the actual infrastructure on which software operates.

29. Which of the following is the most essential element in cloud computing by CSA?

- a) Virtualization
- b) Multi-tenancy
- c) Identity and access management
- d) All of the mentioned

Answer: b

Explanation: Multi-tenancy refers to hosting shared among multiple customers. Multi-tenancy introduces a variety of new security problems to cloud computing that must be addressed.

30. Which of the following monitors the performance of the major cloud-based services in real time in Cloud Commons?

- a) CloudWatch
- b) CloudSensor
- c) CloudMetrics
- d) All of the mentioned

Answer: b

Explanation: The Cloud Commons is a new online community founded by CA to promote information exchange on cloud service and the SMI standard.