



Cloud Computing

Assignment- Week 1

TYPE OF QUESTION: MCQ/MSQ

Number of questions: 10

Total mark: 10 X 1 = 10

QUESTION 1:

Utility computing encapsulates the following characteristic(s)

- a) Mobility amalgamation
- b) No impact on resource utilization
- c) Pay-per-use pricing business model
- d) None of above

Correct Answer: c

Detailed Solution: Utility computing is a pay-per-use pricing business model.

QUESTION 2:

In the context of the client-server architecture: Statement (i) posits that virtualization is a fundamental principle; Statement (ii) claims that the system has limited scalability.

- a) Only Statement (i) is correct
- b) Only Statement (ii) is correct
- c) Both Statements (i) and (ii) are correct
- d) None of the statements is correct

Correct Answer: b

Detailed Solution: Detailed Solution: In the case of the client-server model: there is no concept of virtualization; the system can scale up to a certain extent



QUESTION 3:

A cluster is a type of _____ or distributed computing platform consisting of a collection of interconnected stand-alone computing computers working together in a _____ computing resource.

- a) computers, parallel
- b) single integrated, parallel
- c) node, parallel
- d) parallel, single integrated

Correct Answer: d

Detailed Solution: A cluster is a type of parallel or distributed computing platform consisting of a collection of interconnected stand-alone computing computers working together in a single integrated computing resource.

QUESTION 4:

Dropbox is an example of:

- a) Software as a Service or SaaS
- b) Platform as a Service or PaaS
- c) Function as a Service or FaaS
- d) Infrastructure as a Service or IaaS

Correct Answer: a

Detailed Solution: Dropbox is categorized as Software as a Service (SaaS) due to the nature of the services it offers and how it delivers these services to its users.

QUESTION 5:

For less data-intensive applications, horizontal scale-out elasticity is the ideal solution.

- a) True
- b) False

Correct Answer: b

Detailed Solution: Horizontal scale-out means adding additional computation units and having them act in concert. It is suitable for large scale-out scenarios.



QUESTION 6:

The combination of Service-Oriented Infrastructure and Cloud Computing leads to _____.

- a) PaaS
- b) FaaS
- c) Serverless
- d) XaaS

Correct Answer: d

Detailed Solution: "Anything as a Service" is what XaaS stands for. It's a catch-all term for cloud-based services.

QUESTION 7:

Utility computing is a service-provisioning model, in which a service provider makes computing resources and infrastructure management available to the customer.

- a) True
- b) False

Correct Answer: a

Detailed Solution: Utility computing is a service-provisioning model, in which a service provider makes computing resources and infrastructure management available to the customer.

QUESTION 8:

Which of the following is false?

- a) Private cloud is dedicated solely to an organization.
- b) Community cloud is a composition of public and private cloud.
- c) Public cloud is available to the general public.
- d) None of these

Correct Answer: b

Detailed Solution: Community cloud is shared by several organizations and serves a specific goal.



QUESTION 9:

Which of the following is one of the characteristics of PaaS?

- a) Provides tools to deploy user applications
- b) Application is provided by the cloud provider
- c) Resources are distributed as a service
- d) None of these

Correct Answer: a

Detailed Solution: PaaS provides tools to deploy user applications.

QUESTION 10:

Which of the following is/are a type of Grid?

- a) Computational Grid
- b) Data Grid
- c) Edge Grid
- d) All of the above

Correct Answer: a, b

Detailed Solution: Types of grid are data grid, computational grid and collaboration grid.