



Cloud Computing
Assignment- Week 1
TYPE OF QUESTION: MSQ

Number of questions: 10

Total mark: 10 X 1 = 10

QUESTION 1:

Which of the following is/are common characteristic(s) of Cloud Computing?

- a. Resilient Computing
- b. Small Scale
- c. Virtualization
- d. High Cost Software

Correct Answer: a, c

Detailed Solution:

The common characteristics of cloud computing are Massive Scale, Resilient Computing, Homogeneity, Geographic Distribution, Virtualization, Service Orientation, Low Cost Software, Advanced Security. So, the correct options are (a) and (c).

Refer slide number 50.

QUESTION 2:

Which of the followings is/are type(s) of Cluster?

- (a) Load Balancing Cluster
- (b) Cost Effective Cluster
- (c) Failover Cluster
- (d) Energy Efficient Cluster

Correct Answer: a, c

Detailed Solution:

There are three types of cluster: High Availability or Failover Clusters, Load Balancing Cluster, and Parallel/Distributed Processing Clusters. So, option (a) and (c) are correct.

Refer slide number 31.



QUESTION 3:

Identify the TRUE statement(s)

- a. Google spread sheet is an example of PaaS
- b. Amazon Web Services(AWS) is an example of IaaS
- c. Google Cloud Platform(GCP) is an example of public cloud
- d. Window Server 'Hyper-V' is an example of community cloud

Correct Answer: b, c

Detailed Solution:

Google spread sheet is an example of SaaS. Amazon Web Services(AWS) is an example of IaaS. Google Cloud Platform(GCP) is an example of public cloud. Window Server 'Hyper-V' is an example of private cloud. So, the correct options are (b) and (c).
Refer slide number 54.

QUESTION 4:

Statement 1: Unlimited storage capacity is one of the advantages of Cloud Computing

Statement 2: Requirement of a constant internet connection is one of the disadvantages of Cloud Computing

- a. Statement 1 is TRUE, Statement 2 is FALSE
- b. Statement 2 is TRUE, Statement 1 is FALSE
- c. Both statements are TRUE
- d. Both statements are FALSE

Correct Answer: c

Detailed Solution:

Both statements are TRUE. So, the correct option is (c).

Refer slide number 63 for statement 1, and slide number 66 for statement 2



QUESTION 5:

Advantage(s) of virtual machines is/are

- a. Migration of virtual machines is not easy
- b. Emulate more machines than are physically available
- c. Timeshare heavy loaded systems on one host
- d. Easier to create new machines, and backup machines

Correct Answer: b, d

Detailed Solution:

Advantages of virtual machines are easier to create new machines, backup machines, timeshare lightly loaded systems on one host, emulate more machines than are physically available, easy migration of virtual machines. So, the correct options are (b) and (d).

Refer slide number 57.

QUESTION 6:

In the context of "networking in cloud models", which of the following statement(s) is/are TRUE for IaaS model?

- a. Physical layer is accessed by service provider
- b. Data link layer is accessed by service consumer
- c. Network layer is accessed by service provider
- d. Application layer is accessed by service consumer

Correct Answer: a, d

Detailed Solution:

Physical and Data link layers are accessed by service provider. Network, Transport, Session, Presentation, and Application layers are accessed by service consumer in case of IaaS cloud model. So, correct options are (a) and (d).

Refer slide number 131



QUESTION 7:

Which of the following is/are benefit(s) for user to use of public cloud?

- a. No separate hardware procurement
- b. No separate IT infrastructure maintenance required
- c. Low scalability
- d. Required separate power cost

Correct Answer: a, b

Detailed Solution:

Benefits for user to use public cloud are high scalability, no separate hardware procurement, no separate power cost, no separate IT infrastructure administration/maintenance required. So, option (a) and (b) are true.

Refer slide number 73

QUESTION 8:

Utility computing is a service provisioning model where -

- a. Computing resources not available to the customer when required
- b. Infrastructure management available to the customer when required
- c. Service provider charges customer with a flat rate
- d. Service provider charges customer with specific usage rate

Correct Answer: b, d

Detailed Solution:

Utility computing is a service provisioning model in which a service provider makes computing resources and infrastructure management available to the customer as needed, and charges them for specific usage rather than a flat rate. So, the correct options are (b) and (d).

Refer slide number 35.



QUESTION 9:

The _____ cloud scales automatically to successfully handle increased requests to the web application.

- a. SaaS
- b. PaaS
- c. IaaS
- d. DaaS

Correct Answer: b

Detailed Solution:

The PaaS cloud scales automatically to successfully handle increased requests to the web application. So, the correct option is (b).

Refer slide number 77

QUESTION 10:

Match the tables

Table – I	Table - II
1. Data Grid	i. Provides fault-tolerant and high performance communication services
2. Network Grid	ii. Provides secure access to huge pool of shared processing power
3. Computational Grid	iii. Provides an infrastructure to support data storage, data discovery, data handling, data publication

- a. 1.->(ii), 2.->(i), 3.->(iii)
- b. 1.-> (iii), 2.->(ii), 3.->(i)
- c. 1.->(ii), 2.->(iii), 3.->(i)
- d. 1.->(iii), 2.->(i), 3.->(ii)

Correct Answer: d

Detailed Solution:

Data Grid provides an infrastructure to support data storage, data discovery, data handling, data publication. Network Grid provides fault-tolerant and high performance communication services. Computational Grid provides secure access to huge pool of shared processing power. So, the correct option is (d).

Refer slide no. 25-26

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