



Cloud Computing

Assignment-Week 7

TYPE OF QUESTION: MCQ/MSQ

Number of questions: 10

Total mark: 10 X 1 = 10

QUESTION 1:

The key features of mobile cloud computing (MCC) are

- a) Facilitates the quick development, delivery and management of mobile apps
- b) Uses more device resources because applications are cloud-supported
- c) Improves reliability with information backed up and stored in the cloud
- d) None of these

Correct Answer: a, c

Explanation: The key features of mobile cloud computing are: Facilitates the quick development, delivery and management of mobile apps. Improves reliability with information backed up and stored in the cloud.

QUESTION 2:

Dynamic runtime offloading involves the issues of

- a) Runtime application partitioning
- b) Migration of intensive components
- c) Continuous synchronization for the entire duration of runtime execution platform
- d) None of these

Correct Answer: a, b, c

Explanation: Dynamic runtime offloading involves the issues of:- runtime application partitioning, migration of intensive components, continuous synchronization for the entire duration of runtime execution platform.

QUESTION 3:

What is/are true about cloudlet?

- a) Increases the latency in reaching the cloud servers
- b) Reduces the latency in reaching the cloud servers
- c) Resides far from the mobile devices
- d) Resides near to the mobile devices

Correct Answer: b, d

Explanation: Cloudlet reduces the latency in reaching the cloud servers. Cloudlet resides near to the mobile devices.



QUESTION 4:

What is/are true about mobile cloud computing (MCC)?

- a) MCC increases the running cost for computation intensive applications
- b) MCC reduces the running cost for computation intensive applications
- c) MCC decreases battery lifetime
- d) None of these

Correct Answer: b

Explanation: MCC reduces the running cost for computation intensive applications.

QUESTION 5:

What is/are true about the execution of services in mobile cloud computing (MCC)?

- a) All services are executed in cloud
- b) Some services are executed in mobile devices and some services are executed in cloud
- c) All computation intensive services are executed in mobile devices
- d) None of these

Correct Answer: b

Explanation: Some services are executed in mobile devices and some services are executed in cloud.

QUESTION 6:

What of the following is/are fog device(s)?

- a) Cellular base stations
- b) Network routers
- c) WiFi Gateways
- d) None of these

Correct Answer: a, b, c

Explanation: Cellular base stations, network routers as well as WiFi Gateways are fog devices.

QUESTION 7:

What is/are the advantage(s) of fog computing?

- a) Reduction in data movement across the network resulting in reduced congestion
- b) Increase in data movement across the network resulting in increased congestion
- c) Serving the real-time applications
- d) None of these

Correct Answer: a, c

Explanation: The advantages of fog computing are:- reduction in data movement across the network resulting in reduced congestion, serving the real-time applications.



QUESTION 8:

Consider the following statements:

Statement 1: In Geospatial Cloud, it is needed to integrate data from heterogeneous back-end data service.

Statement 2: Data services can be inside and/or outside of the cloud environment in Geospatial Cloud.

- a) Statement 1 is Correct, but Statement 2 is Incorrect.
- b) Statement 2 is Correct, but Statement 1 is Incorrect.
- c) Both statements are Correct.
- d) Both statements are Incorrect

Correct Answer: c

Explanation: Both statements are correct regarding Geospatial Cloud concept. So, the correct option is (c).

QUESTION 9:

Which of the following statement(s) is/are FALSE about Fog Computing?

- a) Fog nodes present near to the end-user
- b) Fog computing enables real-time applications
- c) Fog nodes' response time is much higher than Cloud's
- d) Network routers, WiFi Gateways will not be capable of running applications

Correct Answer: c, d

Explanation: Fog nodes present near to the end-user, Fog computing use for real-time applications, Fog nodes' response time is much lower than cloud server, network routers, WiFi Gateways will be capable of running applications. So, the correct options are (c), (d).

QUESTION 10:

Which of the following is/are true about Geospatial Cloud Model?

- a) It integrates data from homogeneous back-end data services
- b) Data services can be inside and/or outside the cloud environment
- c) Data services inside cloud can be run through SaaS service model
- d) None of the above

Correct Answer: b

Explanation: Data services can be inside and/or outside the cloud environment in Geospatial Cloud Model.