



Cloud Computing
Assignment- Week 7
TYPE OF QUESTION: MSQ

Number of questions: 10

Total mark: 10 X 1 = 10

QUESTION 1:

Geographical distribution of server nodes is _____ in Fog Computing and _____ in Cloud Computing.

- a) Centralized, Distributed
- b) Centralized, Centralized
- c) Distributed, Centralized
- d) Distributed, Distributed

Correct Answer: c

Detailed Solution: Geographical distribution of server nodes is Distributed in Fog Computing, and Centralized in Cloud Computing. So, the correct option is (c).

QUESTION 2:

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

- (a) More GIS infrastructure and spatial web service expertise are required
- (b) Gets benefits by accessing others' geospatial services
- (c) It minimizes financial risk and increases efficiency
- (d) None of the above

Correct Answer: b, c

Detailed Solution: Geospatial Cloud Computing gets benefits by accessing others' geospatial services. Geospatial Cloud Computing minimizes financial risk and increases efficiency.

QUESTION 3:

Fog Computing is implemented in

- a) Smart Grid
- b) Start Traffic Light
- c) Connected Vehicles
- d) None of the above



Correct Answer: a, b, c

Detailed Solution: Fog computing is implemented in Smart Grid, Smart Traffic light, Connected Vehicles. So, correct options are (a), (b), and (c).

QUESTION 4:

Which of the following is/are the challenge(s) of Geospatial Cloud?

- a) Scaling of Spatial Databases
- b) Policy management among the tenants
- c) Implementation of Spatial Databases
- d) None of the above

Correct Answer: a, b, c

Detailed Solution: Challenges of Geospatial Cloud are as follows-

1. Implementation of Spatial Databases
2. Scaling of Spatial Databases
3. Policy management among the tenants

So, correct options are (a), (b), (c).

QUESTION 5:

Which of the following is/are TRUE for Mobile Cloud Computing?

- a) Facilitate quick development, delivery and management of mobile apps
- b) Users requires large number of device resources
- c) Supports limited number of development approaches and devices
- d) Improves reliability with information backed up and stored in the cloud

Correct Answer: a, d

Detailed Solution: Mobile Cloud Computing (MCC) facilitate quick development, delivery and management of mobile apps. MCC improves reliability with information backed up and stored in the cloud.

QUESTION 6:

Fog Computing has _____ probability to attack on data enrouter and required _____ number of server nodes than Cloud Computing.

- a) lower , less
- b) lower, large



- c) higher, less
- d) higher, large

Correct Answer: b

Detailed Solution: Fog Computing has lower probability to attack on data enrouter and required large number of server nodes than Cloud Computing.

QUESTION 7:

What is/are TRUE about Mobile Cloud Computing(MCC)?

- a) MCC should increase the mobile's battery lifetime by reducing power consumption
- b) MCC should optimize the cost of network usage and server usage
- c) MCC should take longer time to finish the application compared to local execution
- d) MCC should not bother about the security of data while offloading it to server

Correct Answer: a, b

Detailed Solution: MCC must reduce energy usage and extend battery life. It should not take longer to finish the application compared to local execution. Cost of network usage and server usage must be optimized. As offloading transfers data to the servers, MCC ensure confidentiality and privacy of data, how to identify methods which process confidential data. So, the options (a) and (b) are true about MCC.

QUESTION 8:

_____ ensures the ability to exchange / obtain the information to be “consumed”.

- a) Data Level Interoperability
- b) Security Level Interoperability
- c) Service Level Interoperability
- d) None of the above

Correct Answer: c

Detailed Solution: Service Level Interoperability ensures the ability to exchange / obtain the information to be “consumed”. 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 use for real-time applications



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- c) Fog nodes' response time is much higher than cloud server
 - d) Network routers, WiFi Gateways will not be capable of running applications

Correct Answer: c, d

Detailed Solution: 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 followings is/are feature(s) of Mobile Cloud Computing?

- a) Use less mobile device resources because applications are cloud-supported
- b) Reduce reliability with information backed up and stored in the cloud
- c) Mobile devices connect to services delivered through an API architecture
- d) Facilitates slower development, delivery and management of mobile apps

Correct Answer: a, c

Detailed Solution: Mobile cloud computing features are: Facilitates the quick development, delivery and management of mobile apps. Uses fewer device resources because applications are cloud-supported. Mobile devices connect to services delivered through an API architecture. Improves reliability with information backed up and stored in the cloud. So, the correct options are (a) and (c).

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