Unit 9 - Week 7

Course outline

How does an NPTEL online course work?

Week 0 Assignment 0

Week 1

Week 2

Week 3

Week 4

Week 5

Week 6

Week 7

- Lecture 31: Mobile Cloud Computing -I
- Lecture 32: Mobile Cloud Computing -II
- Lecture 33: Fog Computing-I
- Lecture 34: Fog Computing-II
- Lecture 35: Use Case-Geo-spatial Cloud
- Lecture material of Week 7
- Quiz : Week 7 Assignment 7
- Week 7 Feedback Form

Week 8

Text Transcripts

Books

Detail Solution

Live Interactive Session

Week 7 Assignment 7

The due date for submitting this assignment has passed.
As per our records you have not submitted this assignment.

Due on 2020-04-15, 23:59 IST.

1) Benefits of Fog computing is/are *1 point*

a. Low latency and location awareness
b. No Mobility
c. Homogeneity
d. Widespread geographical distribution

- a.
- b.
- c.
- d.

No, the answer is incorrect.
Score: 0
Accepted Answers:
a.
d.

2) Mobile Cloud Computing challenges are *1 point*

a. High bandwidth, Service availability, and Heterogeneity
b. Low bandwidth, Service availability, and Homogeneity
c. Low bandwidth, Service availability, and Heterogeneity
d. High bandwidth, Service availability, and Homogeneity

- a.
- b.
- c.
- d.

No, the answer is incorrect.
Score: 0
Accepted Answers:
c.

3) Which of the following is/are the need(s) of Geospatial Cloud? *1 point*

a. Sharing of geospatial data among organizations
b. Lack of GIS expertise in the organizations
c. Make GIS decision easily
d. None of the above

- a.
- b.
- c.
- d.

No, the answer is incorrect.
Score: 0
Accepted Answers:
a.
b.
c.

4) _____ reduces the overhead of resource management by using light weight virtualizations. *1 point*

a. Containers
b. Virtual machines
c. Both containers and virtual machines
d. Neither containers nor virtual machines

- a.
- b.
- c.
- d.

No, the answer is incorrect.
Score: 0
Accepted Answers:
a.

5) Match the following tables: *1 point*

Table – I	Table – II
1. Data Level Interoperability	i. Ability to exchange / obtain the information to be consumed
2. Service Level Interoperability	ii. Ability to exchange information in a reliable and trustworthy fashion
3. Security Level Interoperability	iii. Ability to "consume" the information

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

- a.
- b.
- c.
- d.

No, the answer is incorrect.
Score: 0
Accepted Answers:
b.

6) Distance between the client and server is _____ in Fog Computing. *1 point*

a. One Hop
b. Two Hops
c. Three Hops
d. Multi Hops

- a.
- b.
- c.
- d.

No, the answer is incorrect.
Score: 0
Accepted Answers:
a.

7) Which of the following is/are the application(s) of Mobile Cloud Computing? *1 point*

a. Mobile Health Care
b. Mobile Phone Calling
c. Mobile SMS Service
d. Mobile E-commerce

- a.
- b.
- c.
- d.

No, the answer is incorrect.
Score: 0
Accepted Answers:
a.
d.

8) What is/are true about cloudlet? *1 point*

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

- a.
- b.
- c.
- d.

No, the answer is incorrect.
Score: 0
Accepted Answers:
b.
d.

9) What is/are true about Mobile Cloud Computing (MCC)? *1 point*

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

- a.
- b.
- c.
- d.

No, the answer is incorrect.
Score: 0
Accepted Answers:
b.

10) Offloading is beneficial when? *1 point*

a. Large computation are required with relatively large numbers of communication
b. Small computation are required with relatively small numbers of communication
c. Large computation are required with relatively small numbers of communication
d. Small computation are required with relatively large numbers of communication

- a.
- b.
- c.
- d.

No, the answer is incorrect.
Score: 0
Accepted Answers:
c.