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**NPTEL** (<https://swayam.gov.in/explorer?ncCode=NPTEL>) » **Cloud computing (course)**

Announcements (announcements)

About the Course ([https://swayam.gov.in/nd1\\_noc20\\_cs20/preview](https://swayam.gov.in/nd1_noc20_cs20/preview)) Ask a Question (forum)

Progress (student/home) Mentor (student/mentor)

## 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

## Week 7 Assignment 7

The due date for submitting this assignment has passed. **Due on 2020-04-15, 23:59 IST.**

Assignment submitted on 2020-04-14, 19:53 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.

Yes, the answer is correct.

Score: 1

Accepted Answers:

- a.
- d.

Computing -I  
(unit?  
unit=43&lesson=45)

○ Lecture 32:  
Mobile Cloud  
Computing -II  
(unit?  
unit=43&lesson=46)

○ Lecture 33: Fog  
Computing-I  
(unit?  
unit=43&lesson=47)

○ Lecture 34: Fog  
Computing-II  
(unit?  
unit=43&lesson=48)

○ Lecture 35: Use  
Case-Geo-  
spatial Cloud  
(unit?  
unit=43&lesson=49)

○ Lecture  
material of  
Week 7 (unit?  
unit=43&lesson=44)

○ Quiz : Week 7  
Assignment 7  
(assessment?  
name=110)

○ Week 7  
Feedback Form  
(unit?  
unit=43&lesson=112)

**Week 8**

**Text Transcripts**

**Books**

**Detail Solution**

**Live Interactive  
Session**

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.

Yes, the answer is correct.

Score: 1

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.

Yes, the answer is correct.

Score: 1

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.

Yes, the answer is correct.

Score: 1

Accepted Answers:

a.

5)

1 point

Match the following tables:

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.

Yes, the answer is correct.

Score: 1

Accepted Answers:

b.

6)

1 point

Distance between the client and server is \_\_\_\_\_ in Fog Computing.

a. One Hop

b. Two Hops

c. Three Hops

d. Multi Hops

☒ a.

☐ b.

☐ c.

☐ d.

Yes, the answer is correct.

Score: 1

Accepted Answers:

a.

7)

1 point

Which of the following is/are the application(s) of Mobile Cloud Computing?

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

- ☒ a.
- ☐ b.
- ☐ c.
- ☒ d.

Yes, the answer is correct.

Score: 1

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,

Yes, the answer is correct.

Score: 1

Accepted Answers:

- b.
- d,

9)

1 point

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

- ☐ a.
- ☒ b.

☐ c.

☐ d.

Yes, the answer is correct.

Score: 1

Accepted Answers:

b.

10)

**1 point**

Offloading is beneficial when?

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.

Yes, the answer is correct.

Score: 1

Accepted Answers:

c.