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

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Unit 5 - Week 3

Course
outline

How does an
NPTEL online
course work?

Week 0
Assignment 0

Week 1

Week 2

Week 3

- ☐ Lecture 11:
Service Level
Agreement
(unit?
unit=22&lesson=23)
- ☐ Lecture 12:
Cloud
Economics
(unit?
unit=22&lesson=24)

Week 3 Assignment 3

The due date for submitting this assignment has passed. **Due on 2020-03-18, 23:59 IST.**

Assignment submitted on 2020-03-18, 23:52 IST

1) 1 point
Which of the following is/are NOT a traditional transaction processing database?

- a. SQL Server
- b. Netezza
- c. DB2
- d. Teradata

- ☐ a.
- ☒ b.
- ☐ c.
- ☒ d.

Yes, the answer is correct.
Score: 1

Accepted Answers:

- b.
- d.

Lecture 13:
Managing Data
(unit?
unit=22&lesson=25)

Lecture 14:
Introduction to
MapReduce
(unit?
unit=22&lesson=26)

Lecture 15 :
Open Stack
(unit?
unit=22&lesson=27)

Lecture
material of
Week 3 (unit?
unit=22&lesson=28)

Quiz : Week 3
Assignment 3
(assessment?
name=90)

Week 3
Feedback Form
(unit?
unit=22&lesson=92)

Week 4

Week 5

Week 6

Week 7

Week 8

Text Transcripts

Books

Detail Solution

Live Interactive
Session

2) In Big Table, data is accessed by -

1 point

- a. Time Stamp
- b. Row Key
- c. Column Key
- d. None of the above

- ☒ a.
- ☒ b.
- ☒ c.
- ☐ d.

Yes, the answer is correct.
Score: 1

Accepted Answers:

- a.
- b.
- c.

3)

1 point

Match the following tables:

Table I

- 1. Image component of OpenStack
- 2. Computation component of OpenStack
- 3. Object storage of OpenStack
- 4. Networking component of OpenStack

Table II

- i. Nova
- ii. Neutron
- iii. Glance
- iv. Swift

- a. 1->i, 2->ii, 3->iii, 4->iv
- b. 1->iii, 2->ii, 3->iv, 4->i
- c. 1->i, 2->iii, 3->iv, 4->ii
- d. 1->iii, 2->i, 3->iv, 4->ii

- ☐ a.
- ☐ b.
- ☐ c.
- ☒ d.

Yes, the answer is correct.
Score: 1

Accepted Answers:

- d.

4) Service Level Agreement(SLA) is done between

1 point

- a. Service Broker and Service Provider
- b. Service Provider and Service Consumer
- c. Service Broker and Service Consumer
- d. None of these

- ☐ a.
- ☒ b.
- ☐ c.
- ☐ d.

Yes, the answer is correct.

Score: 1

Accepted Answers:

b.

5)

1 point

Penalty Cost varies with integration of
(where $D(t)$ and $R(t)$ are instantaneous demand and resources at time t)

- a. $D(t) + R(t)$
- b. $D(t) * R(t)$
- c. $D(t) / R(t)$
- d. $D(t) - R(t)$

- ☐ a.
- ☐ b.
- ☐ c.
- ☒ d.

Yes, the answer is correct.

Score: 1

Accepted Answers:

d.

6)

1 point

In cloud, service uptime is 45 minutes and downtime is 15 minutes in an hour. What is the availability of the service?

- a. $1/3$
- b. $2/3$
- c. 3
- d. $3/2$

- ☐ a.
- ☒ b.
- ☐ c.

☐ d.

Yes, the answer is correct.

Score: 1

Accepted Answers:

b.

7)

1 point

Which of the following is/are follow(s) Quorum protocol for a large number of concurrent reads and writes.

a. Google File System (GFS)

b. BigTable

c. Dynamo

d. None of the above

☐ a.

☐ b.

☒ c.

☐ d.

Yes, the answer is correct.

Score: 1

Accepted Answers:

c.

8)

1 point

Which of the following statement is FALSE?

a. Consumer creates the SLA template

b. Direct SLA defines contract period, billing, response time, availability, etc.

c. Negotiable SLA is done through negotiation with multiple external agents

d. All of the above

☒ a.

☐ b.

☐ c.

☐ d.

Yes, the answer is correct.

Score: 1

Accepted Answers:

a.

9)

1 point

Statement 1: Row-oriented storage is optimal for transaction processing applications.

Statement 2: Column-oriented storage is efficient for data-warehouse workloads.

Which of the following is correct?

- a. Both statement 1 and 2 are correct
- b. Statement 1 is correct and statement 2 is false
- c. Statement 2 is correct and statement 1 is false
- d. Both statement 1 and 2 are false

☒ a.

☐ b.

☐ c.

☐ d.

Yes, the answer is correct.

Score: 1

Accepted Answers:

a.

10 Which of the following option(s) is/are incorrect?

1 point

- a. SLA contains SLO
- b. SLO contains SLA
- c. Multiple SLAs are aggregated to KPI
- d. KPIs are aggregated to SLO

☐ a.

☒ b.

☒ c.

☐ d.

Yes, the answer is correct.

Score: 1

Accepted Answers:

b.

c.

