

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
- ☐ Lecture 12: Cloud Economics
- ☐ Lecture 13: Managing Data
- ☐ Lecture 14: Introduction to MapReduce
- ☐ Lecture 15 : Open Stack
- ☒ Lecture material of Week 3

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Week 3 Assignment 3

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

Due on 2020-03-18, 23:59 IST.

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

1 point

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

- ☐ a.
- ☐ b.
- ☐ c.
- ☐ d.

No, the answer is incorrect.

Score: 0

Accepted Answers:

b.

d.

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.

No, the answer is incorrect.

Score: 0

Accepted Answers:

a.

b.

c.

3) Match the following tables:

1 point

Table I	Table II
1. Image component of OpenStack	i. Nova
2. Computation component of OpenStack	ii. Neutron
3. Object storage of OpenStack	iii. Glance
4. Networking component of OpenStack	iv. Swift

- a. 1->i, 2->ij, 3->iii, 4->iv
- b. 1->iii, 2->ij, 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.

No, the answer is incorrect.

Score: 0

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.

No, the answer is incorrect.

Score: 0

Accepted Answers:

b.

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

1 point

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

- ☐ a.
- ☐ b.
- ☐ c.
- ☐ d.

No, the answer is incorrect.

Score: 0

Accepted Answers:

d.

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

1 point

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

- ☐ a.
- ☐ b.
- ☐ c.
- ☐ d.

No, the answer is incorrect.

Score: 0

Accepted Answers:

b.

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

1 point

- a. Google File System (GFS)
- b. BigTable
- c. Dynamo
- d. None of the above

- ☐ a.
- ☐ b.
- ☐ c.
- ☐ d.

No, the answer is incorrect.

Score: 0

Accepted Answers:

c.

8) Which of the following statement is FALSE?

1 point

- 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.

No, the answer is incorrect.

Score: 0

Accepted Answers:

a.

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

1 point

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.

No, the answer is incorrect.

Score: 0

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.

No, the answer is incorrect.

Score: 0

Accepted Answers:

b.

c.