


<https://swayam.gov.in>

https://swayam.gov.in/nc_details/NPTEL

binshaunnikrishnan@gmail.com ▾

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


If already
registered, click
to check your
payment status

Course outline

How does an
NPTEL
online
course
work? ()

Week 0 ()

Week 1 ()

☐ Lecture 1:
Cloud
Computing -
Overview
(unit?
unit=18&lesso
n=19)

☐ Lecture 2:
Cloud
Computing –
Overview
(contd..) (unit?
unit=18&lesso
n=20)

☐ Lecture 3:
Cloud

Week 1: Assignment 1

The due date for submitting this assignment has passed.

Due on 2023-08-09, 23:59 IST.

Assignment submitted on 2023-07-23, 18:04 IST

1) Which of the following is a common property of distributed computing?

1 point

- ☐ A) Centralized control
☒ B) Fault tolerance
☐ C) Single point of failure
☐ D) Limited scalability

Yes, the answer is correct.

Score: 1

Accepted Answers:

B) Fault tolerance

2) Peer-to-Peer computing resembles truly distributed applications.

1 point

- ☒ A) True
☐ B) False

Yes, the answer is correct.

Score: 1

Accepted Answers:

A) True

3) Which of the following application(s) uses grid computing?

1 point

- ☒ A) Reactor Applications
☐ B) Air conditioning
☒ C) Crystallography
☐ D) Steganography

Computing –
Introduction
(unit?
unit=18&lesso
n=21)

☐ Lecture 4:
Cloud
Computing
Architecture
(unit?
unit=18&lesso
n=22)

☐ Lecture 5:
Cloud
Computing
Architecture
(contd..) (unit?
unit=18&lesso
n=23)

☐ Lecture
material of
Week 1 (unit?
unit=18&lesso
n=24)

☒ **Quiz: Week 1:
Assignment 1
(assessment?
name=176)**

☒ Feedback
Form (unit?
unit=18&lesso
n=25)

☐ Assignment 1
Solution (unit?
unit=18&lesso
n=26)

Week 2 ()

Week 3 ()

Week 4 ()

Week 5 ()

Week 6 ()

Week 7 ()

Week 8 ()

Yes, the answer is correct.

Score: 1

Accepted Answers:

A) *Reactor Applications*

C) *Crystallography*

4) Which of the following is(are) a key component(s) of cluster computing?

1 point

- ☒ A) Parallel programming environment
- ☐ B) Single central processing unit
- ☐ C) Symmetric Multiprocessing (SMP)
- ☐ D) Node affinity

Partially Correct.

Score: 0.5

Accepted Answers:

A) *Parallel programming environment*

C) *Symmetric Multiprocessing (SMP)*

5) Utility computing is a _____ model, in which a service provider makes computing resources and _____ available to the customer. **1 point**

- ☒ A) service-provisioning, infrastructure management
- ☐ B) infrastructure management, service-provisioning
- ☐ C) cloud computing, resource management
- ☐ D) service-provisioning, resource management

Yes, the answer is correct.

Score: 1

Accepted Answers:

A) *service-provisioning, infrastructure management*

6) Utility computing encapsulates the following characteristic(s)

1 point

- ☐ A) Mobility amalgamation
- ☒ B) Pay-per-use pricing business model
- ☐ C) No impact on resource utilization
- ☐ D) None of above

Yes, the answer is correct.

Score: 1

Accepted Answers:

B) *Pay-per-use pricing business model*

7) In utility computing, the payment model differs for different customers based on scale and payment frequency alone. **1 point**

- ☐ A) True
- ☒ B) False

Yes, the answer is correct.

Score: 1

Accepted Answers:

B) *False*

Week 9 ()**Week 10 : ()****Week 11 : ()****Week 12 : ()****Text
Transcripts ()****Books ()****Download
Videos ()****Live Session
()**

8) What are the different characteristic(s) of cloud computing?

1 point

- ☒ A) Virtualization
☐ B) Service disagreement
☐ C) Service orientated
☐ D) Scalability

Partially Correct.

Score: 0.33

Accepted Answers:

A) *Virtualization*C) *Service orientated*D) *Scalability*

9) Google Spreadsheet is an example of :

1 point

- ☐ A) Platform as a Service or PaaS
☒ B) Software as a Service or SaaS
☐ C) Function as a Service of FaaS
☐ D) Infrastructure as a Service or IaaS

Yes, the answer is correct.

Score: 1

Accepted Answers:

B) *Software as a Service or SaaS*10) In the case of the client-server model: Statement (i) Virtualization is a core concept; Statement (ii) system can scale infinitely **1 point**

- ☐ A) Only Statement (i) is correct
☐ B) Only Statement (ii) is correct
☐ C) Both Statements (i) and (ii) are correct
☒ D) None of the statements is correct

Yes, the answer is correct.

Score: 1

Accepted Answers:

D) *None of the statements is correct*