

CS-8002 (CBGS)

B.E. VIII Semester Examination, June 2020

Choice Based Grading System (CBGS)

Cloud Computing

1. a) Describe cloud services requirements and applications of cloud computing.

Ans.

- Cloud services requirements
- Cloud application: ECG Analysis in the cloud
- Cloud application: Protein structure prediction
- Cloud application: Gene Expression Data Analysis

b) Explain cloud computing reference model.

Ans.

- Cloud computing reference model

2. a) What is cloud scalability? Explain the term “Virtual desktop infrastructure”.

Ans.

- Cloud scalability
- Virtual desktop infrastructure

b) Explain Fault tolerance and cloud Ecosystem.

Ans.

- Fault tolerance
- Cloud Ecosystem

3. How testing under cloud can be performed? Explain it by taking service based models of cloud

computing under consideration?

Ans.

- Testing under cloud

4. a) Explain what do you understand by Hypervisor Management Software and their requirements.

Ans.

- Hypervisor Management Software

b) Write a brief notes on High availability and disaster recovery in cloud computing.

Ans.

- High availability and disaster recovery

5. Explain following term:

i) Cloud Analytics

Ans.

- Cloud Analytics

ii) Block and File level storage virtualization

iii) Virtual SAN

6. a) Explain the cloud information security fundamentals.

b) Explain Cloud Computing Security Architecture.

Ans.

- Cloud Computing Security Architecture

7. a) Explain the major cloud features of Google applications engine.

Ans.

- Google application engine

b) How virtualization employed in Azure?

Ans.

- Azure

8. Explain following term (Any three):

i) Third Party Cloud Services

Ans.

- Third Party Cloud Services

ii) Cloud Computing Security Challenges

iii) Virtual LAN (VLAN)

iv) Hadoop

Ans.

- Hadoop