UCS18E08 - CLOUD COMPUTING

QUESTION BANK

TWO MARKS (2m)

UNIT – 1

1. Define: Cloud Computing.
2. List out the characteristics of cloud computing?
3. List out the advantage of cloud computing?
4. List out the types of cloud computing?
5. List out the types of cloud services or providers?
6. Define: SAAS, PAAS, and IAAS.
7. What is meant by Utility Computing?
8. What is meant by Elastic Computing?
9. Compare SAAS, PAAS, and IAAS.
10. What all are the components of cloud computing?

UNIT – 2

1. Define: Hypervisor.
2. List out the types of hypervisor & its functions?
3. What is meant by web services & its types?
4. Write down SOAP in web services?
5. Why Restful is more popular in web services?
6. Define: AJAX.
7. What the purpose to use Mashups?
8. What are all the technologies used in Ajax?
9. List out the advantages & disadvantages of Ajax?
10. What is meant by Virtual Technology?
11. What is meant by Single-Tenant & Multi-Tenant?
12. Define: DAC Rule.

UNIT – 3

1. Define: Relational database.
2. Define: GFS & HDFS.
3. What is meant by fault tolerance?
4. Define: Dynamo.
5. How data should be stored in bigtable?
6. What is meant by mapreduce?
7. Define: PigLatin.
8. What is meant by parallel computing?

UNIT – 4

1. Define: Confidentiality.
2. Define: Integrity.
3. Define: Availability.
4. What is meant by vulnerability assessment?
5. What is meant by trustworthiness?
6. What is meant by pipelining?
7. What is meant by sensitive data?
8. What is a software assurance?
9. What is meant by cloud computing security architecture?
10. List out the types of controls?
11. **Draw VPN diagram.**

UNIT – 5

1. List out the issues in cloud computing?
2. What the purpose joukuu is used in cloud computing?
3. Why toggl is used in cloud platform?
4. What is meant by inter cloud?
5. Define: Cloud Middleware?
6. What is mobile cloud computing & how it works?
7. Differentiate mobile cloud app & native mobile app.
8. Define: Data migration.
9. Define: Data Integrity.
10. Define: Data Loss.

SIXTEEN MARKS (16m)

UNIT – 1

1. Elaborate in detail about Cloud Computing Architecture.
2. Elucidate IAAS with real time applications.
3. Explicate PAAS with real time applications.
4. Explain in detail about Microsoft Azure.

UNIT – 2

1. Explicate Web Service Architecture in detail.
2. Differentiate SOAP & Restful Web services. (8m)
3. Elucidate about Virtual machine technology.
4. Describe in detail about virtual application enterprise.

5. Elaborate in detail about multi – tenant software.

UNIT – 3

1. Explain in detail about cloud file systems: a) GFS b) HDFS.
2. Elucidate the parallel database architecture in detail.
3. Explicate Bigtable, HBase, & Dynamo.
4. Describe in detail with map reduce & its extension.

UNIT – 4

1. Elucidate in detail with Cloud computing security architecture.
2. Elaborate about Secure execution environments.
3. Explicate an Identity management & access control.
4. Describe in detail about Cloud computing security challenges.
5. Explain in detail about Virtual threats.
6. Discuss the VM security recommendation in detail. (8m)
7. Elucidate the VM security techniques. (8m)

UNIT – 5

1. Elucidate the implementation of real-time application in cloud platform.
2. Elaborate in detail about QoS issues in cloud.
3. Explicate the inter-cloud & its challenges.
4. Elucidate in detail about mobile cloud computing architecture.