

MODEL QUESTION PAPER

Branch/Semester :- CS-VII

SUB/CODE:-Cloud Computing(CS-704)

UNIT-I

Q.1 Differentiate between Grid computing, Distributed computing and cloud computing. Also draw the relationship between them.

Q.2 Describe the characteristics of cloud computing environments.

Q.3 Discuss the different barriers of cloud computing.

Q.4 What do you understand by service oriented architecture (SOA). How it support cloud computing? Explain.

Q.5 What are the essential characteristics of cloud computing?

Q.6 Explain the keys steps in implementing Cloud computing based applications.

Q.7 Differentiate between Distributed Computing and Cloud Computing.

Q.8 How Cloud Computing can help in solving Gene Expression Data Analysis? Explain in details

Q.9 What do you mean by Social Network Analysis? How Cloud Computing can help in this problem.

Q.10 Explain a brief noted on cloud adoption and cloud rudiments?

Q.11 List the different cloud application available in market? Briefly explain the scenarios/situation of "when to not use clouds"

UNIT-II

Q.1 Explain the key steps in cloud implementation planning process with example.

Q.2 Explain the services provided by Amazon infrastructure cloud from user perspective

Q.3 What do you understand by cloud analytics? Explain also describe how it works.

Q.4 Explain in brief cloud desktop infrastructure in brief with its services.

- Q.5 How Cloud Computing provides scalability and fault tolerance ?
- Q.6 What is Cloud Reference Model ?What are the application of this models.
- Q.7 Explain Cloud Business Process Management ?
- Q.8 Explain about Cloud Analysis using suitable example .
- Q.9 How testing under cloud can be performed ?Explain it by taking service based models of cloud computing under consideration.
- Q.10 What are the fundamentals components introduced in cloud reference model? Explain.
- Q.11 What is cloud scalability? Explain the term "Virtual desktop infrastructure:.
- Q.12 Write a brief notes on cloud ecosystem along with the example.

UNIT-III

- Q.1 Discuss the benefits ,goals and characteristics of provisioning?
- Q.2 Write in brief about block and file level storage virtualization.
- Q.3 What do you mean by server Virtualization? Explain using example.
- Q.4 Explain Map reduce programming methodology. How it helps in implementing complex problems using Cloud Computing?
- Q.5 Explain Virtual LAN(VLAN) and virtual SAN(VSAN) in Cloud Computing
- Q.6 What is the need of virtualization? Discuss the architecture of hyper-V and discuss its use in cloud computing .
- Q.7 Write the difference between block and file level storage virtualization ?
- Q.8 Write a brief notes on high availability and disaster recovery in cloud computing. Also explain RTO and RPO.
- Q.9. What is the difference between process virtual machines, host VMMs and native VMMs.
- Q.10 Discuss the benefits, goals and characteristics of provisioning.
- Q.11 Describe different types of hypervisors with example and block diagram. Also enlist the advantages and virtualization.

Q.12 Explain what do you understand by Hypervisor management software and their requirement

UNIT-IV

Q.1 How securities policies are implemented on cloud Computing?

Q.2 Discuss the different cloud securities services .

Q.3 List few major challenges in securities Cloud Computing.

Q.4 Explain the Cloud Computing security architecture using suitable block diagram.

Q.5 Explain virtualization security management in Cloud Computing.

Q.6 Explain the Cloud information security fundamental introduced in cloud security management .

Q.7 Discuss the different cloud security services.

Q.8 Enlist and explain some of the common pitfalls that come with virtualizations.

Q.9 Describe the top threats identified by cloud security alliance(CSA) of cloud computing.

Q.10 Explain with suitable example map reduce model.

Q.11 Explain the risk from multi-tenancy with respect to various cloud environment.

UNIT-V

Q.1 Describe the architecture of cloud federation stack.

Q.2 Explain conceptual representation of Eucalyptus cloud. Also explain in brief the components within eucalyptus system.

Q.3 Describe the major cloud features of Google application engine.

Q.4 Explain the architecture of HADOOP with its diagram.

Q.5 List the major features of Google App Engine. Which kind of problem can be solved using Google App Engine?

Q.6 What do you mean by Cloud Federation Stack ?

Q.7 What is market based management of clouds? Explain in details?

Q.8 List major third party cloud services. What are the application of these services ?

Q.9 What is market oriented cloud computing?List the main components that implement MOCC system .

Q.10 What is third party cloud services?Give some examples of a third party cloud services.

Q.11 What kind of standard and protocols can be used to achieve interoperability in a cloud federation ?

Q.12 What are the main components that implement a MOCC based system ?