

Time: 3 hours

Max. Marks: 80

N.B. (1) Question one is Compulsory.

(2) Attempt any 3 questions out of the remaining.

(3) Assume suitable data if required.

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- Q. 1 a) Define cloud computing and enlist its advantages and disadvantages 05
b) Compare between RDS and DynamoDB 05
c) Describe the concept of audit and reporting in cloud computing? 05
d) What is Virtualization? Explain pros and cons of virtualization in detail 05
- Q 2 a) Describe the service models and deployment models of cloud computing with their advantages and disadvantages 10
b) Explain EC2, S3, EBS, and Glacier services of AWS cloud platform 10
- Q 3 a) Explain the architecture of Xen Hypervisor in detail 10
b) Explain any five services of Everything as a service (XaaS) 10
- Q 4 a) Describe in brief architecture of Mobile Cloud Computing with its benefits and challenges 10
b) Explain IAM architecture along with its Standards and Protocols 10
- Q 5 a) What is VPC? Describe the terms Elastic Network Interface, Internet Gateway, Route Table and Security Group with respect to VPC 10
b) Explain different implementation levels of virtualization along with its structures 10
- Q 6 Write a short note on (Any Four)
- a) Storage as a Service 05
b) Serverless Computing 05
c) Governance, Risk, and Compliance (GRC) 05
d) EC2 Lifecycle 05
e) Virtualization vs Cloud Computing 05
f) Attacks, and vulnerabilities in cloud computing 05
