

M.Sc.(IT & CA) Semester - 2 (CBCS) Examination
March/April – 2025 (As Per Syllabus Year-2018)
CLOUD COMPUTING(CORE)

Time: 2:30 Hours**Marks: 70****Instructions:**

1. All questions are compulsory.
2. Figures to the right indicate marks.

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- Que.1(A) Answer the following questions. [03]
1) Define Cloud Service Providers.
2) What is Cluster Computing?
3) What are the characteristics of cloud computing?
- Que.1(B) Answer the following questions. (Any Two) [06]
1) Explain the differences between cloud computing and traditional computing architecture.
2) Discuss the role of web services in cloud computing.
3) Explain different cloud service models (IaaS, PaaS, SaaS).
- Que.1(C) Answer the following question. (Any One) [05]
1) Explain the deployment models of cloud computing.
2) Describe the concept of cloud computing stack.
- Que.2(A) Answer the following questions. [03]
1) What is virtualization?
2) List two examples of IaaS.
3) What is resource virtualization?
- Que.2(B) Answer the following questions. (Any Two) [06]
1) Discuss the concept of network-level security in cloud computing.
2) Explain storage as a service in cloud computing.
3) What are the risk factors of authentication in cloud computing?
- Que.2(C) Answer the following question. (Any One) [05]
1) Describe host-level security in cloud computing.
2) Explain Different approaches to virtualization.
- Que.3(A) Answer the following questions. [03]
1) Define SaaS with an example.
2) What is the difference between Web OS and traditional OS?
3) What are the components of a cloud platform?
- Que.3(B) Answer the following questions. (Any Two) [06]
1) Discuss computation in cloud platform management.
2) Explain cloud service models with real-world examples.
3) Describe the significance of scaling hardware in cloud computing.
- Que.3(C) Answer the following question. (Any One) [05]
1) Discuss the economics of scaling in cloud computing.
2) Explain how cloud-based data stores manage large-scale data
- Que.4(A) Answer the following questions. [03]
1) What is virtualization technology?
2) What are the major types of virtualization?
3) Define Xen Server.

- Que.4(B) Answer the following questions. (Any Two) [06]
- 1) Explain the advantages and disadvantages of virtualization.
 - 2) Describe the implementation of virtualization in cloud computing.
 - 3) Explain the architecture of Hyper-V.
- Que.4(C) Answer the following question. (Any One) [05]
- 1) Discuss the role of virtualization in cloud computing.
 - 2) Explain how virtual servers support cloud services.
- Que.5(A) Answer the following questions. [03]
- 1) What is Microsoft Azure?
 - 2) Name one commercial cloud provider.
 - 3) Define Eucalyptus cloud.
- Que.5(B) Answer the following questions. (Any Two) [06]
- 1) Explain the architecture and working of Microsoft Azure.
 - 2) Compare Eucalyptus with other open-source cloud platforms.
 - 3) Discuss the advantages of using Amazon EC2 in cloud computing.
- Que.5(C) Answer the following question. (Any One) [05]
- 1) Discuss the role of cloud computing in modern businesses.
 - 2) Explain the concept of cloud security in commercial clouds.
