



Seat No. : _____

DC-108

December-2025

5th Year M.Sc. (CA & IT), Sem.-IX

Cloud Computing

Time : 2:30 Hours]

[Max. Marks : 70

1. Answer the following question :

- (a) Explain Challenges and Applications of Cloud computing. 7
- (b) Explain roots of cloud computing. 7

OR

- 1. (a) Explain Cloud Computing Architecture. 7
- (b) Explain Disadvantages of Cloud Computing. 7

2. Answer the following question :

- (a) Describe PaaS Application framework in detail. 7
- (b) Explain the layered architecture of cloud computing (IaaS, PaaS, SaaS). 7

OR

- 2. (a) Explain Disadvantages of Cloud Computing. 7
- (b) What is virtualization in a data center and how does it help automate IT operation. 7

3. Answer the following question :

- (a) Explain the Anatomy of Cloud infrastructure in detail. 7
- (b) Explain the importance of Quality and Security in cloud in detail. 7

OR

- 3. (a) Compare and contrast public, private and hybrid cloud models. 7
- (b) Explain the role and use of virtualization in cloud computing also explains what is happening in virtualization ? 7

4. Answer the following question :
- (a) What are Cloud Architectural Design Challenges ? 7
 - (b) What are the different types of Cloud Provisioning ? 7

OR

4. (a) What is Load Balancing ? Explain the different Types of Load Balancing Algorithms. 7
- (b) How does virtualization improve the management of I/O devices in a cloud environment ? 7

5. Answer the following question :

- (a) What are the main security challenges faced in cloud computing and why are they difficult to control ? 7
- (b) What is SaaS security, and why is it important for cloud-based software applications ? 7

OR

5. (a) What are the essential security best practices required to secure Software-as-a-Service (SaaS) products ? Explain with examples. 7
- (b) Explain the Identity as a Service (IDaaS). 7
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