

Roll No.

Total Pages : 3

BT-8/D-23

48357

CLOUD COMPUTING

Paper-PE-IT-A404A

Time : Three Hours]

[Maximum Marks : 75

Note : Attempt *five* questions in all, selecting at least *one* question from each unit. All questions carry equal marks.

UNIT-I

1. (a) Name one popular cloud service provider that offers a range of cloud computing services and briefly describe one of their core services. 08
- (b) What are two benefits and two drawbacks of adopting cloud computing services for Personal use or small businesses? 07
2. (a) What are the key differences between cloud computing, grid computing, and cluster computing? Provide one distinct advantage of each approach in addressing computational needs. 08
- (b) How do open standards play a crucial role in ensuring interoperability and flexibility in cloud computing? Provide one example of an open standard commonly used in the cloud computing industry. 07

UNIT-II

3. (a) Can you briefly explain the differences between public, private, and hybrid cloud models, and provide one scenario where a business might prefer using a hybrid cloud? 08
- (b) How do web services contribute to the functionality and flexibility of cloud computing? Provide one example of a web service commonly used in cloud computing. 07
4. (a) Explain, in simple terms, how cloud computing works and why it is considered a scalable and cost-effective technology solution? 08
- (b) What are the main differences between cloud computing architecture and traditional client-server computing architecture? Provide one advantage of each approach. 07

UNIT-III

5. (a) What is the purpose of a Service Level Agreement (SLA) in cloud computing, and why is it important for both cloud providers and cloud consumers? 08
- (b) How does cloud computing billing typically work, and why is accurate accounting important for organizations using cloud services? 07
6. (a) Could you provide a brief overview of a real-world use case or example where an organization successfully implemented Microsoft Azure for their cloud computing needs? Highlight one key benefit they achieved. 08

- (b) How does scalability play a key role in cloud services, and why is it beneficial for businesses using cloud computing? 07

UNIT-IV

7. (a) What is application-level security in cloud computing, and why is it important for protecting cloud-based applications and data? 08
- (b) What are some common data privacy and security concerns that organizations should address when adopting cloud computing services, and why is it important to mitigate these concerns? 07
8. (a) What is network-level security in cloud computing, and how does it help protect data and applications hosted in the cloud? 08
- (b) What is authentication in cloud security, and why is it a critical component for ensuring the security of cloud-based systems and data? 07

EXAMKIT