

22-3-2019
(M)

Roll No.

Total Pages : 03

BT-8/M-19

38196

CLOUD COMPUTING

IT-418N

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) Define Cloud Computing: How it differ from cluster computing and distributed computing ? What are the business drivers for adopting cloud computing ? 10
- (b) Enlist the characteristics of cloud computing. 5
2. (a) What are the pros and cons of cloud computing ? Explain them. 8
- (b) What is the role of open standards in cloud computing ? Explain in detail. 7

(3-98/4) L-38196

P.T.O.

Unit II

3. (a) What do you understand by cloud communication ? Explain, how cloud communications work. 5
- (b) Describe the cloud computing architecture and compare this architecture with traditional computer architecture. 10
4. Explain the following terms in brief :
- (a) Platform as a service (Paas)
- (b) Software as a service (Saas)
- (c) Infrastructure as a service (Iaas). 3×5=15

Unit III

5. (a) What do you mean by SLA ? How SLA relates with cloud computing ? Describe the life-cycle of SLA. 5
- (b) How to enhance the cloud services in cloud computing and how to manage them. 10
6. (a) What are Amazon Web Services ? What are the Amazon web service components ? Explain them. 7
- (b) Explain in detail that how to work with Amazon storage systems and Elastic Compute Cloud (EC2). 8

Unit IV

7. (a) What are the category of cloud storage system types ? Compare the managed and unmanaged cloud storage. 8
- (b) Explain in detail how to secure the stored data on clouds. Waht security issues raised in cloud computing. 7
8. (a) What jurisdictional issues are raised by data location on clouds ?
- (b) What are the business considerations of cloud computing ? Explain them.
- (c) What do you understand by host level security in cloud computing ? Explain in brief. 3×5=15