

Roll No.

(05/25)

14354

B.C.A. EXAMINATION

(For Batch 2021 & Onwards)

(Sixth Semester)

CLOUD COMPUTING

BCA-64

Time : Three Hours

Maximum Marks : 80

Note : Attempt *Five* questions in all, selecting *one* question from each Unit. Q. No. 1 is compulsory. All questions carry equal marks.

(Compulsory Question)

1. (i) What is Cluster Computing ?
- (ii) What are benefits of virtualization ?
- (iii) Distinguish between security in a public cloud and private cloud.

- (iv) Discuss in brief about the disaster recovery planning in cloud system.
- (v) What are charging models ?
- (vi) Write the various challenges of cloud computing.
- (vii) What is storage area network ?
- (viii) Define measured service of cloud.

Unit I

- 2. What do you understand by Cloud Computing Paradigms ? Discuss the various paradigms in detail.
- 3. What are essentials, benefits and need for cloud computing ? Discuss business and IT perspective of cloud computing.

Unit II

- 4. How cloud services can be deployed ? In which scenario hybrid cloud model is better to deploy ? How can it be used in cloud ?

5. Explain the following :

- (a) Security in public cloud
- (b) Cloud infrastructure self service
- (c) Platform as a service
- (d) Monitoring as a service.

Unit III

6. Explain cloud resiliency, provisioning and asset management, cloud metering, usage reporting and billing in cloud computing.
7. What can be the impact of disasters in cloud ? Discuss the implementation of charging models in cloud computing.

Unit IV

8. (a) Describe the need for data center virtualization. Also discuss the benefits of data center virtualization.
- (b) Discuss in detail about Virtual Infrastructure requirements.

9. Explain the differences between full-virtualization and para-virtualization and give one example of virtual machine monitor that was built in each of the two categories.