

- Q.19 What is the difference between Cloud Deployment and Service Models? (CO2)
- Q.20 Write short notes on: (CO2)
- a) Community Cloud
- b) Hybrid Cloud
- Q.21 Write a short note on CloudSim and its applications. (CO4)
- Q.22 Mention the benefits of Cloud Storage for organizations. (CO4)

#### SECTION-D

**Note:** Long answer type questions. Attempt any two questions out of three questions. (2x8=16)

- Q.23 Describe Cloud Storage architecture, its advantages, and security concerns. (CO4)
- Q.24 Explain in detail the Cloud Deployment Models with examples and use cases. (CO2)
- Q.25 Explain the evolution of Cloud Computing. Discuss the characteristics, applications, and benefits with examples. (CO1)

No. of Printed Pages : 4  
Roll No. ....

223845A

#### 4th Semester/ Artificial Intelligence & Machine Learning Subject : Cloud Computing

Time : 3 Hrs.

M.M. : 60

#### SECTION-A

**Note:** Multiple choice questions. All questions are compulsory (6x1=6)

- Q.1 Which of these is not a benefit of Cloud Computing? (CO1)
- a) Elasticity                      b) Cost-effectiveness
- c) Unlimited Storage      d) Manual Scaling
- Q.2 Which of the following is not a cloud deployment model? (CO2)
- a) Public Cloud                      b) Private Cloud
- c) Hybrid Cloud                      d) Wired Cloud
- Q.3 Which of the following is not a cloud vendor? (CO2)
- a) Microsoft Azure
- b) Amazon Web Services
- c) Dropbox                      d) Adobe Photoshop

- Q.4 Which one of the following is not a type of virtualization? (CO4)
- Storage Virtualization
  - Hardware Virtualization
  - Application Virtualization
  - Domain Virtualization
- Q.5 SLA defines the relationship between (CO3)
- Two employees
  - Customer and provider
  - Client and database
  - Server and user
- Q.6 Which of these is a type of Hypervisor? (CO4)
- Hardware-based
  - Cloud-based
  - Type 1 and Type 2
  - Layered

### SECTION-B

**Note:** Objective/ Completion type questions. All questions are compulsory. (6x1=6)

- Q.7 \_\_\_\_\_ allows multiple operating systems to run simultaneously on a single physical machine. (CO3)
- Q.8 SaaS applications are accessed using a \_\_\_\_\_. (CO2)

(2)

223845A

- Q.9 Amazon Web Services (AWS) is an example of a \_\_\_\_\_ cloud provider. (CO2)
- Q.10 One major challenge in cloud computing is \_\_\_\_\_ security. (CO4)
- Q.11 A key benefit of virtualization is better \_\_\_\_\_ utilization. (CO4)
- Q.12 The process of abstraction of physical hardware is known as \_\_\_\_\_. (CO1)

### SECTION-C

**Note:** Short answer type questions. Attempt any eight questions out of ten questions. (8x4=32)

- Q.13 Explain the role of Cloud Computing in modern applications. (CO1)
- Q.14 Define SaaS. Provide any two real-world examples. (CO2)
- Q.15 List and explain any four benefits of virtualization. (CO4)
- Q.16 What are the challenges faced in cloud security? (CO4)
- Q.17 Briefly describe the components of a Storage Area Network (SAN). (CO3)
- Q.18 What is the significance of hypervisors in cloud computing? (CO4)

(3)

223845A