62475

Reg. No. ☐☐☐☐☐☐☐☐

III Semester M.C.A. Degree Examination, May/June - 2025
COMPUTER APPLICATIONS
Cloud Computing
(CBCS Scheme Y2K21)

Time : 3 Hours   **Maximum Marks : 70**

Instructions to Candidates :
                    Answer All Parts.

PART - A

Answer any Five of the following questions. Each question carries Six marks.(5×6=30)

1.   What is cloud computing? List and explain the essential characteristics of cloud computing as defined by NIST.

2.   Explain the goals of cloud computing.

3.   Explain the advantages and disadvantages of Saas model.

4.   Explain VM migration services.

5.   Differentiate between Hardware virtualization and server Virtualization.

6.   Explain parallel computing and distributed computing.

7.   Explain Google App Engine.

8.   Explain the access control and authentication in cloud computing.

PART - B

Answer any Four of the following questions. Each question carries Ten marks.
                                                                                    (4×10=40)
                                                                                    (5+5)

9.   a)   Explain the services models of cloud computing.

     b)   Explain the challenges of cloud computing.

10. Explain the cloud reference architecture in detail with a neat diagram.   **(10)**

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11. Explain Hadoop Ecosystem and mention its components. **(10)**

12. Describe openstack and cloudsim. **(10)**

13. a) Explain Amazon AWS. **(5+5)**

    b) Briefly explain the Map Reduce in cloud computing.

14. Explain the network level security and application level security for cloud. **(10)**