

K-1013

Total Page No. : 3]

[Roll No.]

MCA-E12

**MCA IVth Semester
Examination Dec., 2023**

CLOUD COMPUTING

Time : 2 Hours]

[Max. Marks : 70

*Note :- This paper is of Seventy (70) marks divided into two (02) Sections 'A' and 'B'. Attempt the questions contained in these Sections according to the detailed instructions given there in. **Candidates should limit their answers to the questions on the given answer sheet. No additional (B) answer sheet will be issued.***

Section-A

(Long Answer Type Questions) 2×19=38

*Note :- Section 'A' contains Five (05) Long-answer type questions of Nineteen (19) marks each. Learners are required to answer any *two* (02) questions only.*

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(1)

P.T.O.

1. (a) Describe in detail about VM provisioning and migration technique with relevant case study. 10
(b) What is the need for migration in the cloud ? Explain. 9
2. (a) What is virtualization ? How cloud services are based on the concept of virtualization ? 10
(b) Explain cloud computing architecture with neat diagram. 9
3. (a) What is FaaS model ? Is serverless a subset of FaaS ? Is serverless computing SaaS or PaaS ? 10
(b) Discuss in brief about the cloud computing and data security risk. 9
4. (a) Explain about enhanced cloud computing environment using a cluster as a service. 10
(b) What is the difference between open source and commercial cloud platform ? 9
5. (a) Explain about enhanced cloud computing environment using a cluster as a service. 10
(b) What are the security challenges in cloud computing ? 9

Section–B

(Short Answer Type Questions) 4×8=32

Note :- Section ‘B’ contains Eight (08) Short-answer type questions of Eight (08) marks each. Learners are required to answer any *four* (04) questions only.

1. Give appropriate example for the techniques used in cloud computing for managing IT Resources.
2. List any *four* general issues in securities of cloud computing.
3. Explain about the common management model.
4. Discuss how SaaS provides access to applications through the internet as a web based service
5. What are advantages of “Platform as a Service” (PaaS) ? Explain with example.
6. Explain IaaS, PaaS and SaSS.
7. Explain concept of S3 provided by Amazon web services.
8. How is data management in cloud computing ?
