

P-890

Total Pages : 4

Roll No.

MCS-E12

Cloud Computing

Master of Computer Application (MCA)

4th Semester Examination, 2023 (June)

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 therein. Candidates should limit their answer to the questions on the given answer sheet. No additional (B) answer sheet will be issued.

SECTION–A

(Long Answer Type Questions)

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.

(2×19=38)

1. Answer the following :
 - (a) Explain MapReduce scheduling service of Aneka with diagram. 6
 - (b) Explain how to attain QoS by managing cloud. 10
 - (c) List out and brief the principles of cloud computing. 3

2. Answer the following :
 - (a) Explain virtualization computing architecture. 8
 - (b) Discuss any three different hardware virtualization techniques in cloud computing. 7
 - (c) Define cloud computing. Describe the vision introduced by cloud computing. 4

3. Answer the following :
 - (a) Discuss about the Resource management in cloud. 5
 - (b) Explain in detail about VM migration on services. 5
 - (c) Describe how cloud computing technology can be applied to support remote ECG monitoring. 9

4. Answer the following :
 - (a) Explain the concept of windows Azure platform architecture with diagram. 7
 - (b) Discuss in detail about the three new computing paradigms with respect to high throughput computing. 6

- (c) Explain in detail about cloud service life cycle and its stages. 6

5. Answer the following :

- (a) Explain cloud computing architecture. 6
- (b) What do you understand by cloud security? How do we secure cloud? 10
- (c) Write short note on the deployment and delivery of cloud service models with a neat diagram. 3

SECTION-B

(Short Answer Type Questions)

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. (4×8=32)

1. What is service management in cloud computing?
2. What is data management in the cloud?
3. What do you understand by cloud simulator?
4. What is cloud simulator in cloud computing?
5. What are the 3 categories of cloud security?

6. Differentiate between Cloud and Edge Computing.
 7. What is the latest technology in cloud computing?
 8. Discuss the seven steps model of migration into cloud.
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