Roll No.

Total Pages : 3

602205

May 2024 M.C.A. II SEMESTER CLOUD COMPUTING (MCA-20-110)

Time : 3 Hours]

[Max. Marks: 75

Instructions :

- 1. It is compulsory to answer all the questions (1.5 marks each) of Part-A in short.
- 2. Answer any four questions from Part-B in detail.
- 3. Different sub-parts of a question are to be attempted adjacent to each other.

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1.

(a) Define parallel Computing. (1.5)

PART-A

- (b) Name any two services provided by Google App Engine.
 - (1.5)
- (c) What is XaaS? (1.5)
- (d) What is Community Cloud? (1.5)
- (e) Define Multitenancy. (1.5)

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- Name three core capabilities of Cloud Security. (f) (1.5)
- What do you understand by cloud monitoring? (1.5)(g)
- Define Autonomic Computing. (h) (1.5)
- What are Mashups? (1.5)(i)
- What is Migration? Name its types. (i) (1.5)

PART-B

- 2. Write down all the characteristics of Cloud Computing, (a) (10)
 - (b) Elaborate the three types of cloud service models. (5)
- What is Virtualization? Explain its different types. 3. (a) (8)
 - What are Hypervisors? Explain with diagram its two basic (b) types. (7)
- Draw and explain Map Reduce model with proper 4. (a) example. (7)
 - (b) Explain Hadoop Distributed File System (HDFS) architecture in detail. (8)
- 5. What are web services? Explain AJAX in detail. (a) (5)
 - (b) Explain the multi schema approach of data in cloud.
 - (10)
- What is the role of Identity and Access Management 6. (a) (IAM) in cloud security? (5)

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- (b) What are virtual threats? Write and explain its 3 levels.
- (c) What is Load balancing in cloud QoS?
- 7. Differentiate between :

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- SOAP and REST. (i) (ii) BigTable and Hbase.
- (iii) Public and Private Cloud.

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(5)

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