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MCA
(SEM III) THEORY EXAMINATION 2024-25
CLOUD COMPUTING

TIME: 3 HRS**M.MARKS: 100****Note:** Attempt all Sections. In case of any missing data; choose suitably.**SECTION A****1. Attempt all questions in brief. 2 x 10 = 20**

Q no.	Question	CO	Level
a.	What is Eucalyptus in context of cloud?	1	K2
b.	Outline three key characteristics of Cloud Computing.	1	K2
c.	Describe Private and Community clouds with examples.	2	K2
d.	Write a brief note on cloud service providers: Google	2	K2
e.	List two CRM software.	3	K2
f.	How social networks and Groupware are useful?	3	K2
g.	Define Virtualization.	4	K2
h.	Write a short note on Xen.	4	K2
i.	How the Hadoop and MapReduce are related.	5	K3
j.	List the functional modules of GAE	5	K2

SECTION B**2. Attempt any three of the following: 10 x 3 = 30**

a.	Explain the architecture of Open Nebula.	1	K3
b.	Discuss in detail the concept of MaaS, DaaS and CaaS in Cloud Computing. How are they useful.	2	K3
c.	Justify that "Salesforce is the world's number one on cloud-based CRM platform".	3	K3
d.	Write the pros and cons of virtualization in detail with illustration.	4	K3
e.	What are the security issues in cloud?	5	K3

SECTION C**3. Attempt any one part of the following: 10 x 1 = 10**

a.	Examine deployment model and service model of cloud computing in detail.	1	K4
b.	Explain the usability of CloudSim. How is it practical in Cloud Computing Environment?	1	K4

4. Attempt any one part of the following: 10 x 1 = 10

a.	How can you apply Software as a Service (SaaS) for your organization and what will be the advantages of it	2	K3
b.	Write a technical note on cloud service providers Amazon, and IBM.	2	K3

5. Attempt any one part of the following: 10 x 1 = 10

a.	How will you take part in collaboration for presentation, calendars and databases in cloud?	3	K3
b.	Examine the role of Cloud Computing in Project Management.	3	K3



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6. Attempt any one part of the following: 10 x 1 = 10

a.	List the different levels of virtualization. Also explain each in brief.	4	K3
b.	Explain the following in context of cloud security: i) Policy implementation ii. Virtualization security management.	4	K3

7. Attempt any one part of the following: 10 x 1 = 10

a.	Describe Google App Engine architecture in detail.	5	K3
b.	Write a technical note on: i. The Open Cloud Consortium, ii. The Distributed Management Task Force	5	K3

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