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MCA
(SEM-V) THEORY EXAMINATION 2020-21
CLOUD COMPUTING

Time: 3 Hours

Total Marks: 70

Note: 1. Attempt all Sections. If require any missing data; then choose suitably.

SECTION A

1. Attempt all questions in brief.

2 x 7 = 14

a.	What is the usage of virtualization platform in implementing cloud?
b.	Define Network security in cloud computing.
c.	Discuss hybrid and community cloud.
d.	What is On-demand functionality? How is it provided in cloud computing?
e.	Give a brief introduction of windows Azure Operating System.
f.	Mention the basic Components of a server computer in cloud computing?
g.	What are the different models for development in cloud computing?

SECTION B

2. Attempt any three of the following:

7 x 3 = 21

a.	Briefly explain the overview of Software as a Service (SaaS) and advantage of SaaS?
b.	Explain the various design challenges for effective cloud computing environment.
c.	Write a note on security challenges in cloud computing.
d.	Compare the characteristics of IaaS and PaaS.
e.	What is server virtualization? Explain parallel processing.

SECTION C

3. Attempt any one part of the following:

7 x 1 = 7

(a)	Explain the various policies of cloud resource management (CRM).
(b)	Compare Public, Private and Hybrid clouds.

4. Attempt any one part of the following:

7 x 1 = 7

(a)	Discuss about Amazon AWS with cloud software environments.
(b)	Explain in detail about Centralizing email communication.

5. Attempt any one part of the following:

7 x 1 = 7

(a)	What are the task management applications in cloud?
(b)	What is groupware in cloud computing? explain its benefits

6. Attempt any one part of the following:

7 x 1 = 7

(a)	Write a short note on: (i) KVM, and (ii) Virtual Box.
(b)	Describe in detail about hardware virtualization with diagram and examples.

7. Attempt any one part of the following:

7 x 1 = 7

(a)	What are the collaboration schedules in communicating across the community?
(b)	Discuss about collaborating on calendars, schedules and task management.