

Paper Id: **910153**Roll No: 

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**MCA (DUAL DEGREE)**  
**(SEM-IX) THEORY EXAMINATION 2019-20**  
**CLOUD COMPUTING**

**Time: 3 Hours****Total Marks: 100****Note: 1.** Attempt all Sections. If require any missing data; then choose suitably.**SECTION A****1. Attempt all questions in brief. 2 x 10 = 20**

a.	What is the working principle of Cloud Computing?
b.	Explain Grid Computing.
c.	What is Platform as a Service?
d.	Explain the Host level Security.
e.	What is Service Level Agreements?
f.	Write a short note on virtual machines.
g.	What is Data Center?
h.	Write the various popular cloud applications.
i.	List the two versions of VMware Converter.
j.	Compare full and para virtualization.

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

a.	Explain Web OS and Web 2.0 in detail.
b.	With block diagram, explain cloud computing reference model and services.
c.	Describe the cloud security infrastructure? Differentiate transport level security and message level security.
d.	Describe Security as a Service in cloud. What are the security issues in cloud? Discuss the ways to enhance security in cloud.
e.	Which Cloud Services are used in Windows Azure? Explain the features of Windows Azure.

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

(a)	Differentiate between Grid Computing, Distributed computing and Cluster Computing in detail.
(b)	Describe the Google application engine. List the major features of Google App Engine.

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

(a)	Write about the scope of cloud computing in business area.
(b)	What do you mean by multi-tenancy with respect to various cloud environments?

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

(a)	What do you mean by Monitoring as a Service (MaaS) and its benefits?
(b)	Discuss the different cloud security services. List few major challenges in securities cloud computing.

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

(a)	What do you mean by CRM? Discuss forse.com platform used in salseforce.com
(b)	What is Cloud Storage? Elaborate on properties of cloud computing as given by Google.

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

(a)	Name a few companies that are adopting the cloud computing model. Explain basic uses cloud computing in IT field.
(b)	What are the skills required by a project manager in order to overcome the challenges and meet the objectives of a project.