Printed Pages:01 **Sub Code: RCAE31**

Paper Id: 214516 **Roll No.** | | | | | | | | | | |

MCA

(SEM V) THEORY EXAMINATION 2018-19

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. List the characteristics of cloud computing?
b. Define Virtualization.
c. What is Data Center?
d. Write down any two advantages of SaaS?
e. Define Cloud Security?
f. Explain the cloud eco system.
g. Differentiate between Para virtualization and Full virtualization.

SECTION B

2. Attempt any *three* of the following: 7 x 3 = 21

a. Briefly explain the overview of Software as Service (SaaS) and advantage of SaaS?
b. How to implement virtualization in your organization and explain in detail.
c. Explain Security as a Service in cloud. What are the security issues in cloud? Discuss the ways enhance security in cloud.
d. What is a virtual machine monitor? Discuss the properties of a virtual machine?
e. What is a challenge to consumers in adopting a public cloud?

SECTION C

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

(a) What is a characteristic of cloud-optimized storage?
(b) Explain the cloud computing security challenges?

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

(a) Why organizations are adopting the cloud for business and IT perspective? Explain.
(b) Explain the objectives of Cloud lifecycles. Difference between PaaS and Iaas?

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

(a) Explain the following:
  i. Policy implementation
  ii. Virtualization security management
(b) Explain Amazon Elastic Block Structure (EBS) & simple DB?

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

(a) List five public cloud offerings of PaaS?
(b) Explain in detail about Hypervisor.

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

(a) Explain how we can develop the cloud computing applications?
(b) Differentiate local cloud and thin clouds? Explain in detail