

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