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MCA
(SEM III) THEORY EXAMINATION 2021-22
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. Differentiate between Cloud Computing and Internet.
 - b. What are the Commercial Clouds?
 - c. Discuss the advantages of IaaS computing model.
 - d. What is mean by cloud software?
 - e. Define the term Hunt Calendar.
 - f. Examine the role of Cloud Computing in Task Management.
 - g. Define the hypervisor.
 - h. Determine the reasons used for adopting Virtual Machine Monitors.
 - i. Describe main security challenges in SaaS.
 - j. Examine about the standards for developers in cloud computing.

SECTION B

- 2. Attempt any three of the following: 10 x 3 = 30**
- a. Explain the following terms
1). Cluster Computing 2). Utility Computing.
 - b. "Salesforce is the world's number one cloud-based CRM platform", Illustrate your answer.
 - c. Determine the concept of Groupware in Clouds. Also discuss its pros and cons.
 - d. Differentiate between Hardware Virtualization and Server Virtualization.
 - e. Discuss about the role of DMTF in reference to cloud security.

SECTION C

- 3. Attempt any one part of the following: 10 x 1 = 10**
- (a) Show the architecture of Nimbus and explain its components.
 - (b) Explain several properties & characteristics exhibited by Cloud Computing.
- 4. Attempt any one part of the following: 10 x 1 = 10**
- (a) Illustrate the key components of Amazon AWS.
 - (b) Explain in detail the concept of Monitoring as A Service in Cloud Computing.
- 5. Attempt any one part of the following: 10 x 1 = 10**
- (a) Discuss the role of Cloud in CRM along with various ingredients of CRM.
 - (b) Compare cloud Task Management with traditional Task Management Systems and give some examples of Cloud Based Task Management Systems.
- 6. Attempt any one part of the following: 10 x 1 = 10**
- (a) Discuss multithreading, multicore, and Virtualization.
 - (b) Binary Translation is a method for achieving Full Virtualization. Discuss about the statement. Also compare Binary Translation with Para Virtualization.
- 7. Attempt any one part of the following: 10 x 1 = 10**
- (a) Discuss the advantages of standards evolved by DMTF.
 - (b) Explain about testbeds in reference to Cloud Computing