Subject Code: KCA014

PAPER ID-410752

Roll No: | | | | | | | | | | | | | |

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

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