PAPER ID-310450

Subject Code: NMCAE24

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

MCA
(SEM V) THEORY EXAMINATION 2020-21
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 are the two major categories of SaaS?
b. Write down any two advantages of IaaS?
c. Give the limitation of SaaS?
d. Write about Microsoft SQL services?
e. Define Google Gears.
f. Which scenarios force.com migration tools to be used?
g. Write down any four capabilities offered by VMotion?
h. Define the following terms: Grid Computing, Utility Computing.
i. Differentiate between Cloud computing and Distributed computing.
j. State the basic features of cloud computing.

SECTION B

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

a. Discuss what a CRM is with an example based on cloud computing technologies.
b. Explain the cloud computing security challenges?
c. Explain the Cloud Management and Service Creation Tools?
d. Explain the working process of cloud computing with suitable diagram.
e. How can a block-level virtualization implementation be used as a data migration tool? Explain how data migration will be accomplished.

SECTION C

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

(a) Describe the Hadoop distributed file system in cloud? Explain the features of GFS and HDFS.
(b) Write short notes on:
i. Cloud Sim ii. Amazon Web Services

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

(a) What is difference between Data store and Simple-DB? Define the limitations of Simple-DB.
(b) Enlist and explain some of the common pitfalls that come with virtualization?

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

(a) Describe the major cloud features of Google application engine.
(b) Enlist and explain some of the common pitfalls that come with virtualizations.

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

(a) Describe Security as a Service in cloud. What are the security issues in cloud? Discuss the ways to enhance security in cloud.
(b) Explain security, privacy and trust with respect to cloud?

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

(a) How to explore on line scheduling and planning? Explain with example.
(b) Who are the different actors involved in NIST defined cloud referenced architecture and explain how they communicate among them to bring out a successful computing.