

Roll No

MCA-503
M.C.A. V Semester
Examination, November 2019
Cloud Computing
Time : Three Hours

Maximum Marks : 70

Note: i) Attempt any five questions.

ii) All questions carry equal marks.

167

1. a) What is Cloud Computing? Write down the characteristics of cloud computing as per NIST.
b) What are the different types of deployment models? Explain each in brief.
2. a) How Cloud computing can help in solving Gene Expression Data Analysis? Explain in detail.
b) How ECG Analysis is performed in the cloud environment?
3. a) What is cloud reference model? What are the applications of this models?
b) How testing under cloud can be performed? Explain it by taking service based models of cloud computing under consideration.
4. a) What are the fundamental components introduced in Cloud Reference Model? Explain.
b) Explain in detail about Virtual Desktop Infrastructure.

[2]

5. a) What do you mean by Server Virtualization? Explain using example.
b) Explain the concept of Map reduce.
6. a) Explain VLAN and VSAN along with their benefits.
b) Explain virtualization security management in cloud computing.
7. a) Discuss the various challenges in securing cloud computing. http://www.rgpvonline.com
b) Explain the architecture of cloud computing security with suitable block diagram.
8. Write short notes.
a) Cloud federation stack
b) Google App Engine
c) Cloud Governance
d) Cloud Ecosystem

168