

Roll No.

--	--	--	--	--	--	--	--	--	--	--	--

Total No. of Pages: 02

Total No. of Questions: 09

MCA (Sem. – 6)
CLOUD COMPUTING
M Code: 74756
Subject Code: MCA-602
Paper ID: [74756]

Time: 3 Hrs.

Max. Marks: 60

INSTRUCTIONS TO CANDIDATES:

1. Section-A, B, C and D Contains TWO Questions each carrying TEN marks each and student has to attempt any ONE question from each SECTION.
2. Section E is COMPULSORY consisting of TEN questions carrying TWO marks each.

SECTION A

1. a) Define Cloud Computing. Enlist Key Characteristics of Cloud Computing.
b) Write short note on Grid Computing.
2. a) What is big data? Enlist various challenges in handling Big Data.
b) What are the work load patterns for the Cloud over the Internet? Explain.

SECTION B

3. Discuss various Cloud Services in detail with suitable examples.
4. Write note on:
 - a) Elasticity and Scalability.
 - b) Virtualization in cloud computing.

SECTION C

5. Explain Cloud Deployment Models in detail with their vertical and special purpose.
6. a) Explain Cloud security Reference model.
b) How the cloud security can be enhanced? Explain.

SECTION D

7. a) Write in detail Smart Cloud Computing Architecture by IBM.
b) How to access various Mobile Web Services in Cloud?
8. Write and Explain about Programming on Amazon Web Services and Microsoft Azure.

SECTION E

9. Give short answers of the following:
 - a) What are the various driving factors towards cloud?
 - b) Discuss automation in cloud computing.
 - c) What are the various types of Tenancy?
 - d) What are Virtual Private Clouds?
 - e) What is Identity Management with respect to Security?
 - f) Explain Service hijacking.
 - g) List the selection criteria for cloud deployment.
 - h) Define Hypervisors.
 - i) Briefly explain the Common cloud management.
 - j) Discuss integration of cloud computing with mobile technology.