

Roll No.

Total No. of Pages : 02

Total No. of Questions : 09

MCA (Sem.-4)
CLOUD COMPUTING
Subject Code : PGCA-1937
M.Code : 91859
Date of Examination : 16-05-2023

Time : 3 Hrs.

Max. Marks : 70

INSTRUCTIONS TO CANDIDATES :

1. **SECTION-A is COMPULSORY** consisting of **TEN** questions carrying **TWO** marks each.
2. **SECTION - B & C** have **FOUR** questions each.
3. Attempt any **FIVE** questions from **SECTION B & C** carrying **TEN** marks each.
4. Select atleast **TWO** questions from **SECTION - B & C**.

SECTION-A

- 1. Write short notes on :**
- a) Define cloud computing and identify its core features.
 - b) Write short notes on SaaS cloud service offering.
 - c) List out the issues for a grid and cloud integration.
 - d) What is OCCI?
 - e) What is Hyper-V?
 - f) What is SLA?
 - g) Write a short note on CDML.
 - h) What are computer services offered by Amazon web services?
 - i) What is auditing and compliance in cloud services?
 - j) Define the elasticity rule. Discuss the three types of elasticity rules.

SECTION-B

2. List some of the challenges in cloud computing.
3. Discuss the security challenges in cloud computing.
4. What fundamental advantages does cloud computing technology bring to scientific applications?
5. **Write short notes on :**
 - a) Cluster job scheduling methods.
 - b) Load sharing facility for cluster computing.

SECTION-C

6. Describe the architecture of Window Azure.
7. Describe in detail VM provisioning and migration techniques with the relevant case study.
8. Distinguish Cloud Computing from Outsourcing and Provision of Application Services.
9. Diagrammatically explain the Google App Engine architecture.

NOTE : Disclosure of Identity by writing Mobile No. or Marking of passing request on any paper of Answer Sheet will lead to UMC against the Student.