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 : 03-01-2023

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) What does infrastructure-as-a-service refer to?

    b) Write short notes on SaaS cloud service offering.

    c) List out the issues for a grid and cloud integration.

    d) What are seven-step models of migration into a cloud?

    e) What is Hyper-V?

    f) What is SLA?

    g) Write a short note on CDMI.

    h) What are computer services offered by Amazon web services?

    i) What is adulting and compliance in cloud services?

    j) Define the elasticity rule? Discuss the three types of elasticity rules.

SECTION-B

2. Explain the cloud ecosystem with an example.

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. What is Windows Azure? Explain with an example.

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.