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Roll No

MCADD-701

M.C.A. (Integrated), VII Semester

Examination, November 2023

Cloud Computing

Time : Three Hours

Maximum Marks : 70

Note: i) Attempt any five questions.

ii) All questions carry equal marks.

1. a) What are the characteristics of NIST cloud computing reference architecture?
b) Explain in detail about public, private and hybrid cloud.
2. a) Briefly summarize the challenges still open in cloud computing.
b) What is the difference between scalability and elasticity?
3. a) Define Hypervisor. Define the types of Hypervisors.
b) Explain CRM. Discuss some cloud CRM application.
4. a) Define the following terms with respect to cloud computing:
i) Confidentiality
ii) Integrity
iii) Authenticity
b) Explain Security as a service in cloud. What are the security issues in cloud?

5. a) What is Federated cloud? What are its benefits?
b) What comes under multifactor authentication? Explain with example.

6. a) Compare and examine which one of the following cloud solutions best suits for research purpose (justify your answer):
 - i) Eucalyptus
 - ii) Open Nebula
 - iii) Nimbus
b) Explain in detail IAM security standards. Discuss with any real-life case study.

7. a) Discuss IaaS. How EC2 renting of Amazon works?
b) Explain cloud security challenges. How it can differ on the category of cloud computing?

8. Write short note on:
 - a) Grid Computing
 - b) Cloud Ecosystem
