Roll No ....

MCADD-701
M.C.A. (Integrated), VII Semester
Examination, May 2023
Cloud Computing
Time : Three Hours

Maximum Marks : 70

Note: i) Attempt any five questions.

ii) All questions carry equal marks.

1. a) Explain the objectives of cloud lifecycle. Differentiate between PaaS and IaaS.

    b) What are different types of deployment models? Explain each in brief.

2. a) Describe the interoperability and fault tolerance in cloud computing.

    b) What are the three key components Virtual Desktop Infrastructure (VDI)?

3. a) Discuss the advantages and dis-advantages of block and file level storage virtualization.

    b) Explain bare system architecture and compare with host architecture.

4. a) What are the possible solutions of conventional authentication mechanism.

    b) Secure Shell (SSH) keys help to identify SSH server without passing the password justify your answer.

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 the OS level virtualization? List the pros and cons of OS level virtualization?

7. a) What are the security risks of cloud computing that my organization needs to prepare for while migrating to the Cloud?

    b) Is the cloud safe for personal information? Explain HIPAA, PCI-DSS and SOC.

8. Write short note on:
    a) Group ware
    b) Cloud Governance

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