

## MSc IT (IMS &amp; CT) Sem.-2 Examination

MSCIMS-410

## Introduction of Cloud Technology

Time : 2-30 Hours]

May-2025

[Max. Marks : 70

**Instructions:**

- **Figures to the right indicate Full Marks.**
- **Do not write anything on the question paper.**
- **Write the answers to the following questions in your answer sheet. Include necessary explanations or examples where applicable**

**Q\_1: Long Answer Questions (Ant two)****(28 Marks)**

1. Evaluate and compare the three major cloud providers: AWS, Azure, and Google Cloud.
2. Discuss identity management in the cloud by explaining AWS IAM and Azure Active Directory.
3. What are the seven steps of cloud migration? Explain each step with its purpose and the key actions involved in simple terms.

**Q\_2S: Short Answer Questions****(42 Marks)****Answer all seven questions. Marks are indicated next to each question.**

1. What is a cloud consumption model? Provide a clear definition along with a relevant technical example. **[4 Marks]**
  2. Define IaaS, PaaS, and SaaS. Explain each cloud service model with its definition and a suitable technical example. **[8 Marks]**
  3. Explain the concepts of security, compliance, and governance in cloud computing. **[8 Marks]**
  4. Compare the three types of cloud deployment models: public, private, and hybrid. **[5 Marks]**
  5. Define scalability and elasticity in the context of cloud computing. **[5 Marks]**
  6. What is serverless computing? **[3 Marks]**
  7. Explain Identity and Access Management (IAM). What is Multi-Factor Authentication (MFA) and how does role-based access control (RBAC) help in managing user permissions? **[9 Marks]**
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