

**CMR ENGINEERING COLLEGE: : HYDERABAD****UGC AUTONOMOUS****III–B.TECH–II–Semester End Examinations (Regular) - June- 2025****CLOUD COMPUTING****(CSD)****[Time: 3 Hours]****[Max. Marks: 60]****Note:** This question paper contains two parts A and B.

Part A is compulsory which carries 10 marks. Answer all questions in Part A.

Part B consists of 5 Units. Answer any one full question from each unit. Each question carries 10 marks and may have a, b, c as sub questions.

**PART-A****(10 Marks)**

1. a) What is High Performance computing? [1M]
- b) Define Nanocomputing. [1M]
- c) List the four deployment models of cloud computing. [1M]
- d) Define Cloud Computing. [1M]
- e) What is SLA? [1M]
- f) Describe Multitenancy. [1M]
- g) Define Infrastructure as a Service. [1M]
- h) What is Desktop as a Service (DEaaS)? [1M]
- i) What is the use of Microsoft SharePoint? [1M]
- j) What is the use of VMware? [1M]

**PART-B****(50 Marks)**

2. Describe quantum computing and explain how it may influence the future of cloud. [10M]
- OR**
3. Apply the characteristics of distributed and cloud computing paradigms to design a use-case for scientific applications. [10M]
4. Explain the five essential characteristics of cloud computing as defined by NIST. [10M]
- OR**
5. Apply the NIST definition of cloud computing to analyze a real-world deployment with a suitable example. [10M]
6. Explain the anatomy of the cloud and how applications function in this architecture. [10M]
- OR**
7. Illustrate briefly the Phases of Cloud Migration in detail. [10M]
8. Choose a combination of cloud services (SaaS, PaaS, IaaS) that minimizes cost and maximizes speed to market for a startup is building a web-based CRM solution. [10M]
- OR**
9. Explain Suitability of SaaS and discuss the Cons of SaaS. [10M]
10. Discuss the cloud offerings of IBM and Salesforce. [10M]
- OR**
11. Apply the components of Google Cloud Platform (GCP) to explain the role of Google App Engine and Google Cloud Storage in application deployment. [10M]

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