

Code No.: DS732PE/AD735PE

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**CMR ENGINEERING COLLEGE: : HYDERABAD**

**UGC AUTONOMOUS**

**IV–B.TECH–I–Semester End Examinations (Supply) - April- 2025**

**CLOUD COMPUTING**

**(CSD, AI&DS)**

**[Time: 3 Hours]**

**[Max. Marks: 70]**

**Note:** This question paper contains two parts A and B.

Part A is compulsory which carries 20 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**

**(20 Marks)**

1. a) List the advantages of High-Performance Computing. [2M]
- b) Why Grid Computing is so popular? [2M]
- c) Write the applications of Cloud Computing. [2M]
- d) Differentiate between PaaS and IaaS. [2M]
- e) What are the various layers in Cloud architecture? [2M]
- f) Define Multitenancy. [2M]
- g) Define Software as a Service (SaaS). [2M]
- h) List some of PaaS Providers. [2M]
- i) What are the services offered by EMC IT? [2M]
- j) Write the features of Aneka Platform. [2M]

**PART-B**

**(50 Marks)**

2. How are Mobile Computing and Network Computing different? Explain. [10M]
- OR**
- 3.a. Why is it necessary to understand the various computing paradigms? [5M]
- b. Compare Distributed Computing vs Cluster Computing. [5M]
- 4.a. What is the need of Cloud Computing? [5M]
- b. Discuss essential characteristics of Cloud Computing. [5M]
- OR**
5. Discuss about the Four Cloud Deployment Models of Cloud Computing. [10M]
- 6.a. Explain about Anatomy of the Cloud. [5M]
- b. How to manage the Cloud? Explain. [5M]
- OR**
7. Explain about Network Connectivity in Cloud Computing. [10M]
8. Discuss in detail about the overview of IaaS, PaaS, and SaaS with suitable diagrams [10M]
- OR**
9. Describe about Platform as a Service with its advantages and disadvantages. [10M]

10. Explain about Amazon Web Services. [10M]

**OR**

11a. What is Google Cloud Print? What are its advantages? [5M]

b. Explain SAP HANA Cloud in brief. [5M]

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