

Code No.: IT864PE & CS863PE

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H.T.No.

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CMR ENGINEERING COLLEGE: : HYDERABAD

UGC AUTONOMOUS

IV-B.TECH-II-Semester End Examinations (Regular) – April - 2024

CLOUD COMPUTING

(Common for CSE, IT)

[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) Where do we use HPC systems? [2M]
- b) State the advantages of distributed computing systems are over centralized systems. [2M]
- c) Why is cloud computing required? [2M]
- d) Label the deployment models. [2M]
- e) List out the layers in cloud architecture. [2M]
- f) Summarize the features of cloud. [2M]
- g) Mention the drawbacks of IaaS. [2M]
- h) List out the characteristics PaaS. [2M]
- i) What are the services offered by EMC? [2M]
- j) Explain the Google App Engine. [2M]

PART-B

(50 Marks)

2. Describe the methodology used in mobile computing, grid computing and cloud computing. [10M]
- OR**
3. Examine the strategy used in biocomputing, optical computing and cluster computing. [10M]
 4. What is the motivation for cloud computing? Elaborate the principles of cloud computing. [10M]
- OR**
5. State the five essential characteristics of cloud computing and inspect the role of cloud computing as a service and platform. [10M]
 6. Inspect the phases of cloud migration and approaches for cloud migration. [10M]
- OR**
7. Provide an insight on the anatomy of the cloud and managing the cloud. [10M]
 8. Elaborate the services provided by IaaS providers and the characteristics of IaaS. [10M]
- OR**
9. Infer the suitability of SaaS and summarize the pros and cons of SaaS. [10M]
 10. Demonstrate the best practices of Microsoft assessment of planning toolkit to migrate their organizations to cloud computing. [10M]
- OR**
11. Assess the services offered by Amazon Web Services. [10M]
