CMR ENGINEERING COLLEGE: : HYDERABAD
UGC AUTONOMOUS
IV–B.TECH–I–Semester End Examinations (Regular) - November- 2024
INTRODUCTION TO CLOUD COMPUTING
(CSM)

[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) Define high-performance computing.   [2M]
   b) List different types of computing paradigms.   [2M]
   c) List the essential characteristics of cloud computing.   [2M]
   d) Describe the term "cloud computing is a platform".   [2M]
   e) Define cloud management.   [2M]
   f) List the different layers in cloud computing.   [2M]
   g) Define Infrastructure as a Service (IaaS).   [2M]
   h) List the characteristics of Platform as a Service (PaaS).   [2M]
   i) Name some popular cloud service providers.   [2M]
   j) List cloud service providers offering IaaS.   [2M]

PART-B   (50 Marks)

2. Compare distributed computing with quantum computing.   [10M]

OR

3. Identify the computing paradigms used in big data analytics.   [10M]

4. Differentiate between public and private cloud models.   [10M]

OR

5. Discuss the role of cloud computing in data security.   [10M]

6. Explain the role of each layer in cloud computing.   [10M]

OR

7. Discuss the impact of poor network connectivity on cloud applications. [10M]

8. Illustrate how PaaS providers support developers.   [10M]

OR

9. Demonstrate the use of IaaS in data storage.   [10M]

10. Discuss the role of SAP Labs in cloud computing.   [10M]

OR

11. Explain how IBM Smart Cloud supports business operations.   [10M]

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