

Code No.: CY8310E

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**CMR ENGINEERING COLLEGE: : HYDERABAD
UGC AUTONOMOUS**

IV–B.TECH–II–Semester End Examinations (Regular) – April - 2025

INTRODUCTION TO CLOUD SECURITY

(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 Cloud Computing. [2M]
- b) What are the benefits of Cloud Computing? [2M]
- c) What are the advantages of cloud deployment? [2M]
- d) What are the technologies required when deploying a web service? [2M]
- e) Define access control. [2M]
- f) What are security challenges in cloud computing? [2M]
- g) List out the benefits of Virtualization. [2M]
- h) What are the multi tenancy issues in virtualization? [2M]
- i) What is Cloud Security Management? [2M]
- j) What is Data security in Cloud? [2M]

PART-B

(50 Marks)

- 2.a. Discuss various Services provided by PaaS. [5M]
 - b. Illustrate the role of virtualization in enabling the cloud. [5M]
- OR**
3. Draw and explain cloud architecture and illustrate with challenges of cloud computing? [10M]
 4. Elaborate deploying a web service from outside a cloud architecture. [10M]
- OR**
5. Explain about the Programming Support of Google App Engine in cloud environment. [10M]
 6. Explain how security concepts can apply in cloud and its importance in Paas? [10M]
- OR**
7. Discuss about user authentication in cloud. [10M]
 8. Analyze virtualization security management in cloud computing. [10M]
- OR**
9. Discuss about ESX file system security in virtualization. [10M]
 10. Explain the Data Security and storage in cloud. [10M]
- OR**
11. Discuss about SaaS Availability Management. [10M]
