

Code No.: R22CS58122PE

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**CMR ENGINEERING COLLEGE : HYDERABAD**  
**UGC AUTONOMOUS**  
**I-M.TECH-I-Semester End Examinations (Supply) - August- 2024**  
**CLOUD COMPUTING SECURITY (PE-II)**  
**(CSE)**

[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) Why is cloud computing required? [1M]
- b) Label the cloud services delivery model. [1M]
- c) State the role of ISPs. [1M]
- d) Summarize the facilities provided by the data center technology. [1M]
- e) Define multitenant technology. [1M]
- f) Is Google cloud multi-tenant? [1M]
- g) What are the threat agents in cloud computing? [1M]
- h) Mention the role of load balancer in cloud computing. [1M]
- i) Why digital signature is used in cloud computing? [1M]
- j) Label the three types of roles in cloud IAM? [1M]

**PART-B**

**(50 Marks)**

2. Analyze the implementation of cloud deployment models. [10M]
- OR**
3. Explain the basic concepts and models of cloud computing. [10M]
4. Outline the approach of broadband networks and describe the internet architecture. [10M]
- OR**
5. Examine the features of virtualization technology. [10M]
6. Summarize the web services and multitenant services. [10M]
- OR**
7. Inspect the strategy for accomplishment of cloud security. [10M]
8. Provide an overview of the cloud computing mechanisms. [10M]
- OR**
9. Assess the components of the specialized cloud mechanisms. [10M]
10. Choose a suitable case study and demonstrate the cloud security mechanism. [10M]
- OR**
11. Elaborate the various mechanisms for the cloud management. [10M]

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