Code No.: R22CS58122PE	R22	H.T.No.			8	R						

CMR ENGINEERING COLLEGE: : HYDERABAD
UGC AUTONOMOUS
I–M.TECH–I–Semester End Examinations (Supply) - February- 2026
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)	Name any four Cloud Security Policies.	[1M]
b)	Why are SaaS solutions very different from the application service provider solutions?	[1M]
c)	What are network bandwidth and latency issues?	[1M]
d)	Categorize the network storage devices.	[1M]
e)	Write the common characteristics of the multitenant applications	[1M]
f)	List the core technologies behind web services.	[1M]
g)	Show the symbols used to represent a virtual firewall.	[1M]
h)	Mention the mechanism of pay-per-use monitor.	[1M]
i)	State the role of remote administration system.	[1M]
j)	Label the components of identity and access management.	[1M]

PART-B **(50 Marks)**

2.	Interpret the features of various cloud deployment models.	[10M]
	OR	
3.	Outline the approach of the software-as-a-service model and the platform-as-a-service model.	[10M]
4.	Analyze various technologies and components comprised of data centers.	[10M]
	OR	
5.	Show and discuss different logical layers of operating system-based virtualization.	[10M]
6.	Infer the role of cloud security in implementation of cloud computing.	[10M]
	OR	
7.	Provide an overview of how the first-generation web service technologies commonly relate to each other.	[10M]
8.	How are the security policies and security mechanisms used to counter threats, vulnerabilities, and risks caused by threat agents? Discuss.	[10M]
	OR	
9.	Inspect the common agent-based implementation formats of cloud usage monitors.	[10M]
10.	Elucidate the tasks that are typically automated and implemented through resource management system.	[10M]
	OR	
11.	Examine the role of hashing and digital signature for cloud security mechanisms.	[10M]

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