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

CMR ENGINEERING COLLEGE: : HYDERABAD
UGC AUTONOMOUS
I–M.TECH–I–Semester End Examinations (Regular) - March- 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)	Define cloud computing.	[1M]
	b)	Provide the examples of cloud service consumers.	[1M]
	c)	Why all clouds must be connected to a network?	[1M]
	d)	What is a datacenter?	[1M]
	e)	Name of the categories of cloud security.	[1M]
	f)	Differentiate multitenancy and virtualization.	[1M]
	g)	State the role of logical network perimeter.	[1M]
	h)	Summarize the responses provided by the automated scaling.	[1M]
	i)	Mention the task of resource management system.	[1M]
	j)	Compare symmetric and asymmetric encryption.	[1M]

PART-B   (50 Marks)

2. Describe the basic terms that represent the fundamental concepts and aspects pertaining to the notion of a cloud. [10M]

OR

3. Label and analyze the cloud services delivery model. [10M]

4. Elaborate the role of broadband networks and internet architecture for cloud-enabling technology. [10M]

OR

5. Inspect the technologies and components related to data centers. [10M]

6. Examine the core technologies behind implementation of web services. [10M]

OR

7. List out and explain the characteristics of multitenant applications. [10M]

8. Assess the technologies used by different cloud service consumers to interface with the virtualized cloud storage devices. [10M]

OR

9. Outline the mechanism of SLA monitor for specifically observing the runtime performance of cloud services. [10M]

10. Demonstrate a common approach for managing the issuance of asymmetric keys. [10M]

OR

11. Interpret the strategy of the billing management system. [10M]

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