Code No.: AI745PE   R20   H.T.No. [ ][ ][8][R][ ][ ][ ][ ]

CMR ENGINEERING COLLEGE: : HYDERABAD
UGC AUTONOMOUS
IV–B.TECH–I–Semester End Examinations (Regular) - November- 2023
INFORMATION SECURITY ASSESSMENT AND AUDIT
(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)	Explain White box methodology.	[2M]
b)	Write about Grey box methodology.	[2M]
c)	Explain Firewall Security Audit.	[2M]
d)	Illustrate Information standard formats.	[2M]
e)	Define Vulnerability Management.	[2M]
f)	Explain about Social media counter measures.	[2M]
g)	What is Vulnerability Assessment?	[2M]
h)	What is Risk Treatment?	[2M]
i)	Define Control Policies.	[2M]
j)	Define Testing Configuration Management.	[2M]

PART-B   (50 Marks)

2.	Explain about Information Security Methodologies.	[10M]
	OR	
3.	Explain Phases of Information Security Audit and Strategies.	[10M]
4.	Explain Firewall Security Audit & IDS Security Auditing.	[10M]
	OR	
5.	Explain about Result Analysis and Post Auditing Actions.	[10M]
6.	Discuss about Human based Social Engineering.	[10M]
	OR	
7.	Write short notes on Threat management, Remediation.	[10M]
8.	Evaluate Different types of Vulnerability Assessment.	[10M]
	OR	
9.	Explain Characteristics of a Good Vulnerability Assessment Solutions &Considerations.	[10M]
10.	Define Configuration Management Requirements.	[10M]
	OR	
11.	Explain about Development of Configuration control policies.	[10M]

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