Code No.: CY733PE	R20	H.T.No.			8	R						

CMR ENGINEERING COLLEGE: : HYDERABAD
UGC AUTONOMOUS
IV–B.TECH–I–Semester End Examinations (Supply) – April - 2025
CYBER FORENSICS
(CSC)

[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 Computer Forensics.	[2M]
b)	Differentiate Worm and Virus.	[2M]
c)	What is qualified forensic duplicate?	[2M]
d)	Describe Write Blockers.	[2M]
e)	What is forensic data.	[2M]
f)	Define Network Forensics.	[2M]
g)	Define Mobile forensics.	[2M]
h)	Describe E-mail crime.	[2M]
i)	What is the difference between threat, vulnerability, and risk?	[2M]
j)	What is metadata?	[2M]

PART-B **(50 Marks)**

2.	Explain the different types of Business computer Forensic Technology?	[10M]
	OR	
3.	What is Digital Forensics? Explain its Objectives, Challenges and Advantages.	[10M]
4.	Explain the process of Initial Response and Volatile Data Collection from Linux system.	[10M]
	OR	
5.a.	What are the goals of incident response?	[5M]
b.	Briefly describe Incident Response Methodology.	[5M]
6.a.	Give the steps to Performing Remote Acquisitions.	[5M]
b.	Demonstrate the Overview of Network Forensics.	[5M]
	OR	
7.a.	How to Develop the Standard Procedures for Network Forensics.	[5M]
b.	What you understand from the Rules of Evidence.	[5M]
8.a.	Elaborate the role of e-mail in investigation.	[5M]
b.	Explore the roles of the client and server in e-mail.	[5M]
	OR	
9.a.	Give the overview about mobile device forensics.	[5M]
b.	What are the understandings of acquisition procedures for cell phones and mobile devices?	[5M]
10.	Describe the following mechanisms in detail: (i) NTFS data streams, Encrypting file systems (ii) NTFS compressed files	[10M]
	OR	
11.a.	Elaborate Microsoft startup tasks.	[5M]
b.	Explain the process of whole disk encryption.	[5M]

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