

Code No.: IT854PE

R20

H.T.No.

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CMR ENGINEERING COLLEGE: : HYDERABAD

UGC AUTONOMOUS

IV-B.TECH-II-Semester End Examinations (Regular) – April - 2024

CYBER FORENSICS

(IT)

[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) What is a Computer Forensics? [2M]
- b) What are the Computer Forensics Services? [2M]
- c) Write the Steps for Collection of Evidence in Sequence. [2M]
- d) List out the types of Evidence. [2M]
- e) How to Examine the Honeynet Project. [2M]
- f) Mention the Process of Steganography to Hide data. [2M]
- g) What are the needs of computer forensic tools? [2M]
- h) Discuss about email servers. [2M]
- i) What is virtual machine? [2M]
- j) What is meant by cluster and virtual cluster? [2M]

**PART-B**

**(50 Marks)**

2. Explain the use of computer forensics in law enforcement? [10M]
- OR**
3. Distinguish the roles of training and education in digital forensics. [10M]
4. How are standard procedures developed for network forensics? [10M]
- OR**
5. What are the legal aspects of collection and preserving computer forensic evidence? [10M]
6. What is live acquisition? How are they performed? [10M]
- OR**
7. Give an overview of Network forensics? [10M]
8. Explain computer forensics hardware tools?. [10M]
- OR**
9. Explain the process of investigating E-mail crimes and violations? [10M]
10. Explain the NTFS Encrypting File System. [10M]
- OR**
11. Write a Short Note on. [10M]  
i) Virtual machines. ii) FAT disks.

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