CMR ENGINEERING COLLEGE: : HYDERABAD
UGC AUTONOMOUS
IV–B.TECH–I–Semester End Examinations (Supply) - December- 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) List the computer's role in crimes.   [2M]
   b) Define digital forensics.   [2M]
   c) Illustrate initial response.   [2M]
   d) Describe forensic duplication.   [2M]
   e) What is forensic data?   [2M]
   f) Demonstrate the need of forensic analysis and validation.   [2M]
   g) What is the role of email in investigation?   [2M]
   h) List any four current forensics tools.   [2M]
   i) List the windows registry terminology.   [2M]
   j) Define virtual machine and its role in computer forensics.   [2M]

	PART-B	**(50 Marks)**

2. List the cybercrimes in corporate world. What is cyber defamation?   [10M]

OR

3. Explain the steps of incident response methodology and Activities in initial Response.   [10M]

4. Briefly explain Duplication and Preservation of Digital Evidence.   [10M]

OR

5. Demonstrate the Initial Response and Volatile Data Collection from Windows system.   [10M]

6. a) Describe the standard procedure often used in network forensics.   [5M]
   b) Describe the Rules of Evidence.   [5M]

OR

7. Illustrate the Addressing Data-Hiding Techniques of Forensics.   [10M]

8. a) What are the tasks Performed by Computer Forensics Tool?   [5M]
   b) Describe the Validation and Discrimination of computer evidence.   [5M]

OR

9. Give steps involved in Validating and Testing Forensic Software in detail.   [10M]

10. Discuss the MS-DOS Startup Tasks and other Disk Operating Systems in detail.   [10M]

OR

11. Express in detail about how the understanding of NTFS, FAT, FAT32 in the system plays a crucial   [10M]
role in Cyber forensics.

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