Department of Computer Science and Engineering
School of Engineering Sciences and Technology
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M.Tech (CFIS) 1st Semester Examination, 2025

Paper Code: MTCFIS PE 111 **Paper Name: Digital Forensics**
Time: 2 ½ Hours **Max. Marks: 60**

SECTION A

Attempt All Questions from this Section. **4 x 5 = 20**

Q.No.	Questions	CO	BL
1.	Suppose a high profile personality received a threat email demanding some ransom. What steps you will adopt as a digital forensics expert to identify the source of this email.	CO-4	BL-4
2.	What is the importance of chain of custody?	CO-3	BL-2
3.	What are the critical steps in preserving digital evidence?	CO-4	BL-3
4.	Explain the difference between active attacks and passive attacks.	CO-2	BL-2

SECTION B

Attempt any FOUR (04) Questions from this section **4 X 10 =40**

1.	Explain the following Sections of IT ACT 2000. a. 43 A b. 66 A c. 66 C d. 66 F	CO-3	BL-2
2.	Explain the following Forensics analysis tools a. SANS SIFT b. CAINE c. X-Ways Forensics	CO-4	BL-3
3.	Suppose you are a digital forensics expert, How will you differentiate between legitimate and illegitimate credit card transactions? Explain the points you will consider to identify the legitimacy of a transaction.	CO-5	BL-4
4.	Explain the different types of data w.r.t digital forensics with the help of an example. What do you mean by hacking? Explain different types of hackings	CO-2	BL-4
5.	What are different areas of cyber law? Explain in brief.	CO-1	BL-1
6.	Explain the five steps involved in performing Digital Forensics of an incident.	CO-2	BL-1