

Term End Examination

Dec 2023

CET4033B - Digital Forensics and Investigation

Question Paper ID: 027186

Faculty/School	Engineering and Technology	Term	Semester V
Program	TY B.Tech CSF	Duration	2 Hours 30 Minutes
Specialization		Max. Marks	70

Section - 1 (7 X 10 Marks)

Answer any 7 questions

1	a) Explain Law of Progressive Change as principle of Forensic Science. [5 Marks] b) What is Forensic? What are the series of stages investigator should follow in Forensic Science? [5 Marks]	10 marks 20	CO1	Remembering
2	a) List and explain the different types of digital evidence. [5 Marks] b) Why digital evidence are available in various forms? State all forms of digital evidences. [5 Marks]	10 marks	CO1	Understanding
3	a) What is computer evidence? Which evidence is admissible in court? [5 Marks] b) How the computer acts as the subject and object of the crime as an important role in the crime? Justify. [5 Marks]	10 marks 20	CO2	Remembering
4	a) Justify Information as contraband or Fruits of crime. [5 Marks] b) List the various features of digital evidence. [5 Marks]	10 marks 20	CO2	Understanding
5	a) What is the need of preserving evidences? What are the fundamental principles in the process of handling evidences at crime scenes? [5 Marks] b) Describe the role of Digital Investigator. [5 Marks]	10 marks 20	CO3	Understanding
6	a) What are the different tools used to investigate Email files? [5 Marks] b) What are different challenges of digital evidence? Explain with example. [5 Marks]	10 marks 15	CO3	Remembering
7	a) Explain importance of Self-monitoring Analysis and Reporting Technology (SMART). [5 Marks] b) What are the difficulties while presenting the digital evidences in the court? [5 Marks]	10 marks	CO3	Understanding

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8	a) Distinguish direct and circumstantial evidences. [5 Marks] b) Explain C5 and C6 levels of certainty with examples. [5 Marks]	10 marks 15	CO3, CO4	Applying
9	a) State the Process of preserving digital crime scene. [5 Marks] b) State advantages and disadvantages of Certainty scale in digital forensics. [5 Marks]	10 marks 15	CO3, CO4	Understanding
10	a) What is incident response? What does an incident response team do? [5 Marks] b) State FOUR key elements of process analysis of Forensic Science. Explain in brief forensic. [5 Marks]	10 marks 6	CO4	Remembering

END OF QUESTION PAPER