



R18 Regulation

Subject code: 2E7EH

TKR COLLEGE OF ENGINEERING AND TECHNOLOGY

(Autonomous, Accredited by NAAC with 'A' Grade)

B.Tech VII Semester Supplementary Examinations, November 2023

COMPUTER FORENSICS (Computer Science and Engineering)

Maximum Marks: 70

Date:06.12.2023 Duration: 3 hours

- Note:
1. This question paper contains two parts A and B.
 2. Part A is compulsory which carries 20 marks. Answer all questions in Part A.
 3. Part B consists of 5 Units. Answer any one full question from each unit which carries 10M.
 4. Each question carries 10 marks and may have a, b, c, d as sub questions.

Part-A

All the following questions carry equal marks

(10x2M=20 Marks)

BTL

1	Write the role of Law enforcement Agencies in Computer Forensic Investigations	L1
2	Why should companies appoint an authorized requester for computer investigations?	L2
3	Why evidence has to be collected and preserved.	L2
4	What is the process of Data Seizure?	L1
5	What is forensic response capability	L1
6	Why are most of the companies. Industries are ill equipped to investigate	L2
7	Define steganography.	L2
8	Write the importance of time keeping in computer forensics?	L1
9	What are the different types of forensic tools available? (S/W & H/W)	L1
10	List tools used to validate forensics data.	L1

Part-B

Answer All the following questions.

(5X10M=50Marks)

L2

11	Explain Data Collection, Analysis, Presentation and their role in Computer forensic Investigations. [10]	L2
OR		
12	Describe the standard Computer Forensic Investigation Model. [10]	L2
13	Explain any four challenges faced by a computer forensic professional while data backup. [10]	L2
OR		
14	How to control contamination of evidence. [10]	L4
15	Explain the concept of Digital ID's and Authentication Technology. [10]	L3
OR		
16	Write Rules and protocols for capturing the evidence. [10]	L3
17	Write a brief note on [10]	L2
	i. Intrusion detection [3]	
	ii. Computer forensic response teams. [3]	
	iii. File recovery tools [2]	
	iv. Incident reporting [2]	

	OR	
18	What are the International Principles Against Damaging of Computer Evidence? [10]	L2
19	What are mobile forensics. Explain any tools available for mobile forensics. [10]	L2
	OR	
20	What are file sharing services? Enlist the steps to prevent any attacks that use file sharing services & to prevent unauthorised access through network services. [10]	L3