

Code: 19CS4702B

IV B.Tech - I Semester – Regular Examinations - DECEMBER 2022

**CYBER FORENSICS
(COMPUTER SCIENCE & ENGINEERING)**

Duration: 3 hours

Max. Marks: 70

- Note: 1. This question paper contains two Parts A and B.
 2. Part-A contains 5 short answer questions. Each Question carries 2 Marks.
 3. Part-B contains 5 essay questions with an internal choice from each unit. Each question carries 12 marks.
 4. All parts of Question paper must be answered in one place.

BL – Blooms Level

CO – Course Outcome

PART – A

		BL	CO
1. a)	Define Computer Forensics.	L1	CO1
1. b)	Explain the role of e-mail in investigations.	L2	CO2
1. c)	Define the term “Digital Evidence”.	L1	CO3
1. d)	What does a forensics tool do?	L1	CO3
1. e)	Describe Bit Shifting with an example.	L2	CO4

PART – B

			BL	CO	Max. Marks
UNIT-I					
2	a)	Explain the benefits of professional forensics methodology.	L2	CO1	6 M
	b)	Explain about RAID data acquisitions.	L2	CO1	6 M
OR					
3	a)	Explain in detail about the three storage	L2	CO1	6 M

		formats for computer forensics data acquisitions.			
	b)	Summarize how to connect to a suspects computer using Remote Acquisition tool.	L2	CO1	6 M
UNIT-II					
4	a)	Illustrate how the processing of an incident or a crime scene takes place in cyber forensics.	L3	CO2	6 M
	b)	Show the process of preparing for a computer search.	L3	CO2	6 M
OR					
5	a)	Illustrate how to obtain a digital hash.	L3	CO2	6 M
	b)	Explain about processing law with suitable examples.	L2	CO2	6 M
UNIT-III					
6	a)	Interpret the mechanism of examining the windows registry.	L3	CO3	6 M
	b)	Describe the following terms in detail:- (i) Examining NTFS Disks. (ii) NTFS System Files	L2	CO3	6 M
OR					
7	a)	Explain in detail about how the understanding NTFA, FAT, FAT32 file system plays a Crucial role in cyber forensic.	L2	CO3	6 M
	b)	Show how the whole disk encryption is	L3	CO3	6 M

		performed in Cyber forensics.			
UNIT-IV					
8	a)	Discuss the procedure to validate the hexadecimal Editors.	L2	CO4	6 M
	b)	Briefly explain any one steganography algorithm to hide data in a image.	L2	CO4	6 M
OR					
9	a)	Discuss about network forensics.	L2	CO4	6 M
	b)	Show how to validate and test Forensics Software.	L3	CO4	6 M
UNIT-V					
10	a)	Describe cell phone device forensics.	L2	CO4	6 M
	b)	Explain briefly about Examining E-mail Messages.	L2	CO4	6 M
OR					
11	a)	Describe in detail about Understanding E-mail Servers.	L2	CO4	6 M
	b)	Illustrate the procedure for acquiring data from Mobile and Cell phone devices.	L3	CO4	6 M