Seat No.:	Enrolment No.

GUJARAT TECHNOLOGICAL UNIVERSITY

ME - SEMESTER- IV (NEW) EXAMINATION - SUMMER 2017

	-	Code: 2745603 Date:03/05/20 Name: Cyber Forensics	Date:03/05/2017	
Tir	ne:0: truction 1.	2:30 pm to 05:00 pm	70	
Q.1	(a) (b)	Explain best practices in handling digital evidence. Explain "Rule of Evidence". Explain in brief- Source of Digital Evidences.	07 07	
Q.2	(a)(b)	Explain how an E-mail can be traced for forensics purpose. Outline various steps involved. Explain Privacy challenges in cyber forensic with suitable example. OR	07 07	
	(b)	What is Memory Analysis? What is the information that can be gathered as part of Memory Analysis?	07	
Q.3	(a) (b)	Explain the key steps to be performed in solving a computer forensics case. What are the typical elements of a digital forensics investigation report? Explain its importance.	07 07	
Q.3	(a) (b)	OR Explain "Chain of Custody" in computer/digital forensics. Write a note on "Forensic Duplication".	07 07	
Q.4	(a) (b)	Explain briefly on Network drive imaging & Logical File collection. Explain Cyber Crimes and Information Technology Act.	07 07	
Q.4	(a) (b)	OR Write the difference between Mobile Phone's Logical Acquisition & Physical Acquisition. Explain the advantages and disadvantages of using open source and commercial forensic tools.	07 07	
Q.5	(a) (b)	Write a note on "Requirement (necessity, constraint, condition and prerequisite) for building a forensic laboratory". Explain procedure for gathering evidences from live systems. What care should be taken at the time of evidence gathering from live system? OR	07 07	
Q.5	(a) (b)	Explain hashing and encryption from a digital forensic point of view. Explain tools and techniques used to commit cyber crimes.	07 07	
