Seat No.:	Enrolment No.
Scat 110	Emonicit No

## **GUJARAT TECHNOLOGICAL UNIVERSITY**

		ME – SEMESTER IV (NEW) – • EXAMINATION – SUMMER 2016	
Su	bject	Code: 2745603 Date:04/05/20	)16
	•	Name: Cyber Forensics	
	-	):30 am to 01:00 pm Total Marks:	70
	ruction		
	1.	Attempt all questions.	
	2.	Make suitable assumptions wherever necessary.	
	3.	Figures to the right indicate full marks.	
Q.1	(a)	Write & explain Classification of Cyber Forensics.	07
<b>C</b>	<b>(b)</b>	Draw & explain Flow chart for Digital crime investigations under ITAA 2008.	07
Q.2	(a)	What is a Cyber Crime? How is it different from unauthorized activities?	07
<b>~</b>	( <b>u</b> )	Explain both the concepts with two examples	0.
	<b>(b)</b>	Explain tools and techniques used to commit cyber crimes.	07
		OR	
	<b>(b)</b>	Explain in short- Source of Digital Evidences.	07
Q.3	(a)	Explain hashing and encryption from a digital forensic point of view	07
	<b>(b)</b>	Simulate Phishing attack and investigate the phishing case.	07
		OR	
Q.3	(a)	What are IRT and Charter? How these are related? Explain the working of IRT.	07
	<b>(b)</b>	Discuss Email based crime investigation scenario.	07
		(Hint: Take any Email based crime; simulate the crime, how it is done and what are the investigation steps need to perform to detect the crime.)	
<b>Q.4</b>	(a)	Explain procedure for gathering evidences from switched off systems.	07
	<b>(b)</b>	What is Memory Analysis? What is the information that can be gathered as part of Memory Analysis?	07
		OR	
Q.4	(a)	Explain the advantage and disadvantages of using open source and commercial	07
		Forensic tools.	
	<b>(b)</b>	Explain the Steps should be followed in Crime Scene Investigation.	07
Q.5	(a)	Explain Forensic Acquisition Utilities.	07
	<b>(b)</b>	Explain briefly on Network drive imaging & Logical File collection.	07
		OR	
Q.5	<b>(a)</b>	Write a technical note on "Disk Imaging"	07
	<b>(b)</b>	Write a note on "Requirement (necessity, constraint, condition and pre-	07
		requisite) for building a forensic laboratory".	

\*\*\*\*\*