Seat No.:	Enrolment No
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GUJARAT TECHNOLOGICAL UNIVERSITY

ME – SEMESTER II (NEW) – • EXAMINATION – SUMMER 2016

Subject Code: 2722313 Date: 27/05/2016

Subject Name: Digital Forensic

Time: 10:30 am to 01:00 pm Total Marks: 70

Instructions:

1. Attempt all questions.

2. Make suitable assumptions wherever necessary.

3. Figures to the right indicate full marks.

	Q.1	(a)	software forensic?	03	
			2. What is plagiarism? Which tools would you use to determine plagiarism?	04	
		(b)	integrity?	03	
×			2. What is live acquisition? How are they performed?	04	L.
	Q.2	(a)	and stems that are needed to investibale backer c attack?	03	
			2. Write performing computer forensic investigation on E-mail what types	04	
			of data can be extracted from email header and how they can be used for investigation?		
		(b)	How the programming process and tools used to develop the program are used	-	
			as software forensic tools?	07	
September 1		(1)	OR		
		(b)	How does programming culture help us in identifying a particular author of software?	07	
	Q.3	(a)	Explain detection and anti-detection techniques for computer virus and malware.	07	
		(b)	How can one determine duplication of the code? Which tools are available for this? Explain any one in detail.	07	3
			OR		
	Q.3	(a) (b)	What is "cusum"? Explain its significance with respect to software forensics. What are computer viruses and malwares? Discuss them in detail.	07 07	(.
•	Q.4	(a)	Briefly discuss the analytical tools like DEBUG and BinText for software code analysis.	07	
		(b)	Briefly discuss the structure of Trojan and Logic Bomb. OR	07	
	Q.4	(a)_	Briefly discuss the analytical tools like Desquirr and JPlag for software code analysis.	07	
		(b)	List the various blackhat products and discus their characteristics.	07	
	Q.5	(a)	Write a short note on non content metrics as evidence of authorship.	07	
		(b)	Discuss the issues related to law and ethics in software forensic. OR	07	
	Q.5	(a)	Write short note on stylistic analysis and linguistic forensic.	07	
		(b)	Briefly discuss the types of evidences and their rules when they are required to	07	
			be produced in the court for the purpose of digital investigation.		
