Seat No.:	Enrolment No.

## **GUJARAT TECHNOLOGICAL UNIVERSITY**

M. E. - SEMESTER – III • EXAMINATION – SUMMER • 2013

bject	code: 732303 Date: 15-05-2013	
ne: 1	0.30 am – 01.00 pm Total Marks: 70	
1. 2.	Attempt all questions.  Make suitable assumptions wherever necessary.	
(a) (b)	What is software forensic? Discuss objects and objectives of software forensic. Define the term õblackhatö. Discuss the different types of blackhats and their characteristics.	07 07
. ,		07 07
(b)	How does programming culture help us in identifying a particular author of software?	07
(a) (b)	How can one determine duplication of the code? Which tools are available for this? Explain any one in detail.  Explain the programming process and products used to develop software.	07 07
(a) (b)	Briefly discuss the requirement of change detection (Integrity checking) software and different approaches of scanning.  Compare between content and non-content analysis	07 07
(a) (b)	Explain the process of assembly code analysis using simulator.  Define the term: malware and discuss the structure of virus.  OR	07 07
(a) (b)	Explain the requirement and process of decompilation of software code Define the term: malware and discuss the structure of logic bomb.	07 07
(a) (b)	Discuss the analysis tools Desquirr and JPlag. Briefly discuss the structure of Trojan and Logic Bomb.  OR	07 07
(a) (b)	Discuss the indicators of programming style.  Write short note on plagiarism detection versus authorship analysis.	07 07
	(a) (b) (b) (b) (b) (b) (b) (b) (b) (b) (b	bject Name: Software Forensics me: 10.30 am – 01.00 pm  Structions:  1. Attempt all questions. 2. Make suitable assumptions wherever necessary. 3. Figures to the right indicate full marks.  (a) What is software forensic? Discuss objects and objectives of software forensic.  (b) Define the term öblackhatö. Discuss the different types of blackhats and their characteristics.  (a) Discuss the issues related to law and ethics in software forensic.  (b) Write short note on stylistic analysis and linguistic forensic.  OR  (b) How does programming culture help us in identifying a particular author of software?  (a) How can one determine duplication of the code? Which tools are available for this? Explain any one in detail.  (b) Explain the programming process and products used to develop software.  OR  (a) Briefly discuss the requirement of change detection (Integrity checking) software and different approaches of scanning.  (b) Compare between content and non-content analysis  (a) Explain the process of assembly code analysis using simulator.  (b) Define the term: malware and discuss the structure of virus.  OR  (a) Explain the requirement and process of decompilation of software code  (b) Define the term: malware and discuss the structure of logic bomb.  OR  (a) Discuss the analysis tools Desquirr and JPlag.  (b) Briefly discuss the structure of Trojan and Logic Bomb.  OR

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