GUJARAT TECHNOLOGICAL UNIVERSITY
M. E. - SEMESTER – III • EXAMINATION – SUMMER • 2014

Subject code: 732303   **Date: 05-06-2014**
Subject Name: Software Forensics
Time: 02:30 pm - 05:00 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)**	Explain Digital forensics in detail. Discuss objects and objectives of software forensic.	**07**
	(b)	Define õblackhatö. Discuss different types of blackhats.	**07**
Q.2	**(a)**	Briefly discuss the analytical tool DEBUG for software code analysis.	**07**
	(b)	Discuss the issues related to law and ethics in software forensic.	**07**
		OR	
	(b)	Define Evidence. Discuss types and rules of evidence.	**07**
Q.3	**(a)**	Define the term: malware and discuss the structure of virus.	**07**
	(b)	Write a short note on analytical tools.	**07**
		OR	
Q.3	**(a)**	Explain worm and Trojan structure in detail.	**07**
	(b)	Explain software forensic tools.	**07**
Q.4	**(a)**	Write a short note on stylistic analysis and linguistic forensic.	**07**
	(b)	Discuss decompilation process in brief and explain DCC in detail.	**07**
		OR	
Q.4	**(a)**	Compare between content and non-content analysis.	**07**
	(b)	Discuss Plagiarism process in brief and explain Jplag and YAP in detail.	**07**
Q.5	**(a)**	Write a note on Programming style.	**07**
	(b)	Write a note on Activity monitoring and heuristic scanning detection technologies in detail.	**07**
		OR	
Q.5	**(a)**	Write a short note on authorship analysis.	**07**
	(b)	Write a note on Change Detection and String Search detection technologies in detail.	**07**

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