Seat No.:	Enrolment No.
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## **GUJARAT TECHNOLOGICAL UNIVERSITY**

MCA - SEMESTER-V • EXAMINATION - SUMMER • 2014

	•	Code: 650008 Date: 30-05-2014 Name: Cyber Security and Forensics	
Ti	-	0:30 am - 01:00 pm Total Marks: 70	
	1. 2.	Attempt all questions.  Make suitable assumptions wherever necessary.  Figures to the right indicate full marks.	
Q.1	(a)	Explain Following terms:  1. Cyber Defamation 2. Data Diddling 3. Web Jacking 4. Software Piracy 5. E-Mail Bombing 6. Password Sniffing 7. Computer Sabotage	07
	<b>(b)</b>	Explain phases involved in planning cybercrime.	07
Q.2	(a) (b)	What kinds of attacks are possible on mobile cell phone? Explain with example. What kind of cyber security measures an organization should have to take in case of portable storage devices? Prepare the security guidelines which can be implemented in an organization.	07 07
	<b>(b)</b>	OR Write traditional and modern techniques of credit card fraud.	07
Q.3	(a) (b)	<ul><li>What is "Backdoor"? Write any five functions of "Backdoor".</li><li>(i) Explain any two techniques each for human-base ID Theft and computer-based ID Theft.</li></ul>	07 04
		(ii) List forensic techniques utilized for iphones.  OR	03
Q.3	(a) (b)	What are different ways of password cracking?  (i) What is Spear Phishing? Explain with example.  (ii) Write any three tools for hand held device forensics.	07 04 03
Q.4	(a) (b)	What is steganography? Write difference between steganography and cryptography.  Write salient features of Indian IT Act.	07 07
Q.4	(a) (b)	OR What is Blind SQL injection attack? Can it be prevented? Write amendments to the Indian IT Act.	07 07
Q.5	(a) (b)	Explain forensics Auditing. What are "rootkits"? Why are they dangerous? How do rootkits help cyber attackers?	07 07
Q.5	(a) (b)	OR  Explain technical and legal challenges in computer forensics and data privacy.  Explain with diagram Digital Forensics Life Cycle.	07 07

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