Seat No.:	Enrol	ment N	√o.	

GUJARAT TECHNOLOGICAL UNIVERSITY

MCA - SEMESTER- V EXAMINATION - SUMMER 2015

Date: 08/05/2015

Subject code: 650008

•	e: 02	Vame: Cyber Security and Forensics 30 pm to 05:00 pm Total Marks: 70	
11190	1. 2.	Attempt all questions. Make suitable assumptions wherever necessary. Figures to the right indicate full marks.	
Q.1	(a)	 Explain the following terms: a. E-mail spoofing b. Salami attack c. Logical/Email bombing 	03
	(b)	2) How do you classify cybercrime? Explain any four in detail. What is cyberstalking? Explain the types of stalkers. How stalking works?	04 07
Q.2	(a)	 Explain the role of cybercafé in cybercrime. What is botnets? Explain how Botnets can be used as a fuel for cybercrime. 	03 04
	(b)	Explain cloud computing in brief. What are the various services provided in cloud computing?	07
	(b)	OR What are the different attacks launched with attack vector. Explain.	07
Q.3	(a)	What kinds of attacks are possible on mobile/cell phones? Explain with examples.	07
	(b)	Explain the various measures for protection of the laptops through physical measures and logical access control measures. OR	07
Q.3	(a)	List and explain the categorization of computer viruses based on attacks on various elements of the system.	07
	(b)	What are DoS and DDoS attacks? Give the classification of DoS attack. Write various measures to protect from being victim of DoS attack.	07
Q.4	(a)	 What is Blind SQL injection attack? Can it be prevented? Explain. What is the difference between steganography and cryptography? 	03 04

	(b)	What is SQL injection and what are the different countermeasures to prevent the attack? Explain.	07
		OR	
Q.4	(a)	List and explain different types of ID thefts.	07
	(b)	Do you think online child safety is an issue in India? Explain this by giving suitable examples.	07
Q.5	(a)	Explain how an E-Mail can be traced for forensics purpose. List out and describe various key steps involved.	07
	(b)	List and explain the phases involved in computer forensics/digital forensics	07
		OR	
Q.5	(a)	1) What is a õJailbrokenö device? What are the security implications and possible impact on cyber crime?	03
		2) Explain the challenges faced by investigators when it comes to the forensics of digital camera and digital images.	04
	(b)	Explain what is required in setting up a computer forensics laboratory. What tools are required on hardware and software side?	07
