Seat No.: _____ Enrolment No._____

GUJARAT TECHNOLOGICAL UNIVERSITY

MCA INTEGRATED - SEMESTER–VIII • EXAMINATION – SUMMER - 2017

Subject Code: 4480608 Date:05/05/2017

Subject Name: Cyber Security and Forensics (CSF)

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)**	Define Terms: i) E-mail spoofing ii) Hacking iii) Salami Attack ii)Trojan Horses v) Backdoors vi) Keyloggers vii) Buffer Overflow	**07**
	(b)	Differentiate between Active and Passive attack. Explain any two tools used during active and passive attacks.	**07**
Q.2	**(a)**	Prepare guidelines to prevent Credit card frauds.	**07**
	(b)	What kind of cyber security measures an organization should have to take in case of portable storage devices? Prepare security guidelines for organization.	**07**
		OR	
	(b)	Explain LDAP security for hand-held devices and RAS Security for mobile devices.	**07**
Q.3	**(a)**	What is cyber law? What are the weak areas of the ITA 2000?	**07**
	(b)	Explain the key organizational guidelines on cell phone forensics.	**07**
		OR	
Q.3	**(a)**	Discuss challenges to Indian Law and Cybercrime scenario in India.	**07**
	(b)	What is hand-held device? List various toolkits for hand-held device forensic. Explain any two.	**07**
Q.4	**(a)**	What is DoS and DDoS attacks? List and explain types of DoS attacks	**07**
	(b)	What is Phishing? What are the different methods of Phishing attack?	**07**
		OR	
Q.4	**(a)**	What is SQL Injection? List steps for SQL Injection attacks. How to prevent SQL Injection attacks.	**07**
	(b)	What is Identity theft? How to protect online identity?	**07**
Q.5	**(a)**	What is Digital Forensics? List and Explain phases evolved in Digital Forensics Life Cycle.	**07**
	(b)	Explain OSI 7 Layer Model to computer Forensics.	**07**
		OR	
Q.5	**(a)**	What is computer Forensics? Discuss challenges in Computer Forensics.	**07**
	(b)	Explain the key steps to be performed in solving a computer forensics case.	**07**

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