Seat No.: _____ Enrolment No._____

GUJARAT TECHNOLOGICAL UNIVERSITY
MCA– SEMESTER –V EXAMINATION –SUMMER-2019

Subject Code:2650008 **Date: 08-05-2019**

Subject Name: Cyber Security and Forensics

Time:10.30 am to 1.00 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 the following :** 1. Cyber vandalism 2. Anonymizers 3.Salami attack 4. Data diddling 5.Key logger 6.Whaling 7.RAS	**07**
	(b)	**Give the full forms** **1.** LDAP 2. IMEI 3. ICMP 4. GSM 5.NDA 6.FCR 7.RIM	**07**
Q.2	**(a)**	Describe phases evolved in Digital Forensics Life Cycle.	**07**
	(b)	Discuss challenges in forensics of the Digital images, still camera and scanner.	**07**
		OR	
	(b)	Explain DoS attacks with its classification and levels.	**07**
Q.3	**(a)**	Justify the need of cyber laws with reference to Indian context.	**07**
	(b)	Compare and contrast: ITA 2000 and ITA 2008.	**07**
		OR	
Q.3	**(a)**	**Justify the following statements with description:** 1. Cyber cafe is one of the source of cyber crime. 2. There are enough measures to be taken in ITA 2008 to handle the issues of cyber cafe related crimes.	**03** **04**
	(b)	**Differentiate the following :** 1. Spam mails - Hoax mails 2. Vishing - Smishing 3. DoS attack - DDoS attack	**02** **02** **03**
Q.4	**(a)**	Define phishing. Explain spam emails and hoax emails.	**07**
	(b)	Discuss classification of cybercrime.	**07**
		OR	
Q.4	**(a)**	(i) Explain any two techniques each for human-base ID Theft and computer-based ID Theft. (ii) List forensic techniques utilized for IPhones.	**04** **03**
	(b)	What is Blind SQL injection attack? Can it be prevented?	**07**
Q.5	**(a)**	What are “rootkits”? Why are they dangerous? How do rootkits help cyber attackers?	**07**
	(b)	Explain the various measures for protection of the laptops through physical measures and logical access control measures.	**07**
		OR	
Q.5	**(a)**	Discuss relevance of the OSI Layer model to computer forensics.	**07**
	(b)	Explain forensics of BlackBerry wireless device.	**07**

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