Seat No.: _____ Enrolment No._____

GUJARAT TECHNOLOGICAL UNIVERSITY

MCA – SEMESTER – 5 • EXAMINATION – SUMMER 2018

Subject Code: 650008 Date: 07-May-2018

Subject Name: Cyber Security and Forensics (CSF)

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)**	How do we classify cybercrimes? Explain each one briefly.	**07**
	(b)	What is social engineering? Explain its classification.	**07**
Q.2	**(a)**	What is phishing attack? Explain its types.	**07**
	(b)	Explain in brief Digital Forensics Life Cycle.	**07**
		OR	
	(b)	Explain Botnets –A fuel for cybercrime.	**07**
Q.3	**(a)**	Differentiate between virus and worms.	**07**
	(b)	Explain Identity Theft in detail with example.	**07**
		OR	
Q.3	**(a)**	Write a note on SQL injection attack.	**07**
	(b)	Write a note on Forensics Auditing.	**07**
Q.4	**(a)**	Explain types of attacks on mobile devices.	**07**
	(b)	Explain strong, weak and random passwords.	**07**
		OR	
Q.4	**(a)**	Describe briefly toolkits for hand-held device forensics.	**07**
	(b)	Explain the major amendments to the Indian IT Act in ITA 2008.	**07**
Q.5	**(a)**	Write a note on attack vector.	**07**
	(b)	Discuss challenges in Computer Forensics.	**07**
		OR	
Q.5	**(a)**	Explain forensic analysis of E-mail.	**07**
	(b)	Explain steganography.	**07**

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