Seat No.: _____ Enrolment No. _____

GUJARAT TECHNOLOGICAL UNIVERSITY
B.Ph. – SEMESTER VII– • EXAMINATION – SUMMER 2017

Subject Code: 2270006 **Date: 10/05/2017**
Subject Name: Cyber Security
Time: 02:30 PM to 05:30 PM **Total Marks: 80**

Instructions:
1. **Attempt any five questions.**
2. **Make suitable assumptions wherever necessary.**
3. **Figures to the right indicate full marks.**

Q.1	**(a)**	What is cybercrime? Explain the classification of cybercrimes.	**06**
	(b)	Explain how an E-Mail can be traced for forensics purpose. List out and describe various key steps involved.	**05**
	(c)	Explain the various measures for protection of the laptops through physical measures and logical access control measures.	**05**
Q.2	**(a)**	What is Identity Theft? Explain the types of Identity Theft.	**06**
	(b)	Explain the role of cybercafé in cybercrime.	**05**
	(c)	How Computer virus can be categorized? Explain each in brief.	**05**
Q.3	**(a)**	What are DoS and DDoS attacks? List and explain types of DoS attacks.	**06**
	(b)	Explain the prominent features of the Indian IT Act – 2000.	**05**
	(c)	What kinds of attacks are possible on mobile/cell phones? Explain each one briefly.	**05**
Q.4	**(a)**	What is cyberstalking? Explain the types of stalkers. How stalking works?	**06**
	(b)	Write a short note on Cloud Computing and its need.	**05**
	(c)	What is Vishing Attack? Explain the procedure to get protected from vishing attack.	**05**
Q.5	**(a)**	What is botnets? Explain how Botnets can be used as a fuel for cybercrime.	**06**
	(b)	Write a short note on Software Piracy.	**05**
	(c)	Explain security and privacy implications for an organization from cloud computing.	**05**
Q. 6	**(a)**	What is Social Engineering? Explain classification of Social Engineering.	**06**
	(b)	Discuss in brief about credit card frauds.	**05**
	(c)	What are the threats through lost and stolen devices? Give preventive measures.	**05**
Q.7	**(a)**	What is Passive Attacks? Explain different tools for passive attacks.	**06**
	(b)	Write a short note on Copyright Act.	**05**
	(c)	What is Firewall? Discuss different types of firewall in detail.	**05**

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