Sea	ıt No.:	Enrolment No	-
		GUJARAT TECHNOLOGICAL UNIVERSITY	
		MCA - SEMESTER-V • EXAMINATION – WINTER • 2014	
Su	bject	Code: 650008 Date: 05-12-2014	
Su	bject	Name: Cyber Security and Forensics	
Ti	me: 1	.0:30 am - 01:00 pm Total Marks: 70	
Ins	tructio		
		Attempt all questions.	
		Make suitable assumptions wherever necessary.	
	3.	Figures to the right indicate full marks.	
Q.1	(a)	Explain following terms:	07
		1. Identity Theft	
		2. Key Logger	
		3. Worms	
		4. Anonymizers	
		5. Backdoors	
		6. Salami Attack	
	<b>(b)</b>	7. Brute Force Hacking Answer the following:	
	(0)	1. Who are cyber criminals? List and explain their types.	04
		2. Write a note on Rijndael Algorithm	03
0.2	(0)	v e	07
Q.2	(a) (b)	What is computer virus? How computer viruses are categorized? Explain each. What is Botnet? How do viruses get disseminated? Explain with diagram.	07
	(0)	OR	07
	<b>(b)</b>	What is social engineering? Explain each type of social engineering in detail.	07
Q.3			07
Ų.S	(a)	What kind of cybersecurity measures an organization should have to take in case of portable storage devices? Prepare security guidelines for organization.	U/
	<b>(b)</b>	What is DoS and DDoS attacks? List and explain types of DoS attacks.	07
	(6)	OR	07
Q.3	(a)	What are the different phases of attacks on Network?	07
	<b>(b)</b>	What is phishing? Explain the following phishing methods:	<b>07</b>
		1. Dragnet	
		2. Rod-and-Reel	
		3. Lobsterpot	
		4. Gillnet	
<b>Q.4</b>	(a)	What is buffer overflow? What are the types of buffer overflow technique?	07
	<b>(b)</b>	<u> </u>	0.4
		<ol> <li>Explain LDAP and RAS security for mobile devices.</li> </ol>	04
		2. Explain Vishing.  OR	03
Q.4	(a)	What kinds of attacks are possible on mobile/cell phones? Explain following	07
Ų.	(41)	Bluetooth hacking techniques:	0.
		1. Bluejacking	
		2. Bluesnarfing	
		3. Bluebugging	
		4. Car Whisperer	
	<b>(b)</b>	Answer the following:	
		1. What is Steganography? How it works?	04
		2. Explain Binary Rootkits.	03
<b>Q.5</b>	(a)	What is Digital Forensics? List and Explain phases evolved in Digital Forensics	07
		Life Cycle.	

(b) What are Active Attack and Passive Attack? State the difference between Active and Passive attack. Explain different tools for passive attacks.

OR

- Q.5 (a) What are the security and privacy threats and their solution for social networking sites? What are the challenges for the forensics for social networking sites?
  - (b) What are the weak areas of the ITA 2000? What amendments are introduced in ITA 2008?

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