Seat No.:	Enrolment No.
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GUJARAT TECHNOLOGICAL UNIVERSITY

ME - SEMESTER-II EXAMINATION - SUMMER 2015

	· ·	Code: 2725601 Date: 26/05/2015	
Ti	me: 0 tructio	Attempt all questions. Make suitable assumptions wherever necessary.	
Q.1	(a)	Discuss classification of hackers in brief. Also explain the following ethical hacking terminologies: - Vulnerability - Threat - Attack	07
	(b)	Elaborate penetration testing methodology.	07
Q.2	(a) (b)	Justify the statement: õA firewall can be used to filter the incoming packets in the networkö. Also discuss the various types of firewalls in detail. Enlist different automated vulnerability assessment tools. Support your answer	07 07
	()	with the explanation of any one such assessment tool in detail. OR	
	(b)	Write a detailed note on social engineering.	07
Q.3	(a) (b)	Explain the working of NMAP. Discuss foot printing in detail.	07 07
Q.3	(a) (b)	OR What is the purpose of using honeypot? Explain its various types in detail. Discuss session hijacking in brief. List the dangers posed by session hijacking. How do you prevent session hijacking?	07 07
Q.4	(a)	List and explain the methodologies for cracking a password. Also suggest the guidelines for users to make and maintain a strong password.	07
	(b)	(1) Explain buffer overflow in brief. (2) Write a brief note on DDoS. OR	03 04
Q.4	(a) (b)	Discuss google hacking in brief. Support your answer with proper examples. (1) Briefly explain man-in-the-middle attack. (2) Discuss the concepts of cookie and cookie poisoning attack in brief.	07 03 04
Q.5	(a)	What is the purpose of SQL Injection attack? Enlist and briefly explain SQL Injection countermeasures.	07
	(b)	Write the difference(s) between virus and trojan. Explain different types of viruses.	07
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Q.5	(a)	(1) Briefly explain IDS.(2) What is web server hacking? Discuss the same in brief.	03 04
	(b)	What do you mean by cyber laws? Write the need of cyber law in todayøs era. Also explain IT Act 2000 in brief.	07
