Seat No.:	Enrolment No.

GUJARAT TECHNOLOGICAL UNIVERSITY

MCA - SEMESTER- V EXAMINATION - WINTER 2016

Subject Code: 2650002			Date:19/11/ 2016	
Subject Name: Network Security Time: 10.30 am to 01.00 pm Instructions: 1. Attempt all questions. 2. Make suitable assumptions wherever necessary. 3. Figures to the right indicate full marks.				
Q.1	(a)	Attempt the following 1. List Active & Passive Attacks.	03	
	(b)	 State the difference between Symmetric & Asymmetric Enc List the key feature of SET. Define: 1. Firewall 2. Wireless LAN 3. HTTTPS 		
Q.2	(a)	 Explain Security Mechanism. State the difference between block & Stream cipher. 	03 04	
	(b)	Discuss RC4 algorithm.	07	
	(b)	OR Discuss X.509 Certificate. Discuss Cipher block Modes of operations.	04 03	
Q.3	(a) (b)	Compare DES, 3DES and AES. 1. Explain Key Distribution. 2. Discuss PGP Services.	07 04 03	
		OR		
Q.3	(a) (b)	Briefly explain RSA Public key algorithm. 1. Explain Web security Overview. 2. Discuss Stream Cipher.	07 07	
Q.4	(a) (b)	Briefly explain the concept of SET. Draw ESP format for IPSec and describe the need of various finance. OR	elds. 07	
Q.4	(a) (b)	What is IPSec? What are the policies of IPSec? Explain: 1. TLS 2. Secure Shell	07 07	
Q.5	(a) (b)	Explain IEEE 802.11 Wireless LAN Explain PGP and its Services.	07 07	
Q.5	(a) (b)	OR What is Intrusion? Discuss intrusion detection techniques. Explain Firewall with its types.	07 07	
