Seat No.:	Enrolment No.
Scat 110	Lindinent 110.

## **GUJARAT TECHNOLOGICAL UNIVERSITY**

## B. E. - SEMESTER - VI • EXAMINATION - WINTER 2012

Subject code: 160702 Dat		code: 160702 Date: 03/01/2013	
Time	Subject Name: Information Security Time: 02.30 pm - 05.00 pm Total Marks: ' Instructions:		
IIISU	1. 2.	Attempt any five questions.  Make suitable assumptions wherever necessary.  Figures to the right indicate full marks.	
Q.1	(a)		07
	<b>(b)</b>	cryptosystem. List and explain various types of attacks on encrypted message.	07
Q.2	(a)	Let the keyword in playfail cipher is "keyword". Encrypt a message "come to the window" using playfair cipher.	07
	<b>(b)</b>		07
	<b>(b)</b>	List and explain various block cipher modes of operation with the help of diagram.	07
Q.3	(a) (b)		07 07
Q.3	(a) (b)	OR  1. Find GCD of 1970 and 1066 using Euclid algorithm  2. Find all primitive roots of a number 7.	
Q.4	(a)		07
	<b>(b)</b>	cryptography. Explain Diffie Hellman key exchange algorithm.  OR	07
Q.4	(a)		07
	<b>(b)</b>		07
Q.5		Write a note on followings (Any 4)  (a) Digital Signature (b) Pretty Good Privacy (c) Secure Socket Layer (d) Active Directory Service of Windows NT (e) Firewall  **********************************	14