M.Tech-Computer Science and Engineering Sem II MT-1009.4 - Elective-II : Network Security & Cryptography

P. Pages: 1			GUG/W/16/3944	
Time : Three Hours $*$ 4 7 4 4 *		ree Hours * 4 7 4 4 *	Max. Marks : 70	
	Note	 es: 1. Attempt any five questions. 2. All questions carry equal marks. 3. Due credit will be given to neatness and adequate dimensions. 4. Illustrate your answers wherever necessary with the help of neat and adequate dimensions. 	sketches.	
1.	a)	Explain classical feistal network.	7	
	b)	What is the difference between differential and linear cryptanalysis.	7	
2.		Explain AES encryption and decryption.	14	
3.	a)	List important design considerations of a stream cipher key.	7	
	b)	Explain steganography.	7	
4.	a)	Explain authentication functions.	7	
	b)	Explain HMAC algorithm.	7	
5.	a)	Explain Kerberos.	7	
	b)	Explain transport and tunnel modes.	7	
6.	a)	Explain secure electronic transaction.	7	
	b)	Explain distributed denial of services.	7	
7.	a)	Explain transmission and reception of PGP messages.	7	
	b)	Explain multipurpose internet mail extension.	7	
8.	a)	Explain IPsec authentication header.	7	
	b)	Explain elliptic curve arithmetic.	7	
