	R09	
Code No: D0606 JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY M.Tech II - Semester Examinations, March/April NETWORK SECURITY AND CRYPTOGRAPI (DIGITAL SYSTEMS & COMPUTER ELECTRO) Time: 3hours Max. Answer any five questions All questions carry equal marks	2011 HY	AD
 a. What are the goals of network security? b. Enumerate the difference between passive attacks and active at for each. 	tacks? Give ex	amples
c. Describe the Internet work security model.		[12]
2. a. What are block cipher design principles?b. Explain the operation of DES algorithm.		[12]
3. Explain the working of Blowfish algorithm.		[12]
4. a. How the key is distributed/managed in private key algorithms? E scenarios.	Explain the diff	erent
b. What are principles of public key cryptography?c. List out the steps in RSA algorithm.		[12]
5. Explain the followinga) Euler's theorem.		[10]
b) Authentication requirements and functions.6. List and explain the sequence of steps followed in Message Digest	(MD5) algorit	[12] hm.[12]
7. a. Explain how security is provided to e– mails.		
b. Explain X.509 directory authentication service.		[12]
8. Write short notes on:a. Secure socket layer(SSL)		
b. Trusted systems		[12]

www.firstranker.com