## Second Semester M.Tech. Degree Examination, June-July 2009 Information & Network Security

Time: 3 hrs.  Note: Answer any FIVE full questions.  Max. Marks: 10			
1	a. b.	Discuss the various critical characteristics of information.  Explain the development life cycle of security systems.	(10 Marks) (10 Marks)
2	a. b.	With the help of diagram, explain the contingency planning time line.  Categorize the firewalls based on processing mode. Explain them in brief.	(10 Marks) (10 Marks)
3	a.	What are the different managements defined by ISO Network management? Expl brief. With the help of diagram, explain the maintenance model	ain them in (10 Marks) (10 Marks)
4	a. b.	With a network security model, explain about attacks, mechanisms and services.  Explain how encryption and decryption are done using Feistel structure, with the factors considered for providing security.	(10 Marks) e important (10 Marks)
5	a. b.	Explain how DES can be used to operate in different modes.  Explain how SHAI can be used to generate message digest.	(10 Marks) (10 Marks)
6	a.	Discuss how public key c yptosystems differ from conventional cryptosystems. RSA algorithm.	(10 Marks)
	b.		(10 Marks)
7	a. b.		(10 Marks) (10 Marks)
8	a b c d	. SET . Caesar cipher	(20 Marks)