LIBRARY, NIE, MYSORE

USN

## First Semester M. Tech (CNE) Examination, January 2014 (Autonomous Scheme)

## **Information Security**

Time: 3 Hrs  Max. Marks: 100  Note: Answer any FOUR questions, two each from Part- A and Part-B. Part - C is compu		
1010.	Answer any Pook questions, two each from fair-A and fair-b. fair-c is con	ipuisory
1.a)	Discuss the critical characteristics of information.	10
b)	Explain key security Architectural components.	10
2.a)	Discuss the firewall categorized by Architecture.	10
b)	Discuss the scanning and analysis tools.	10
3.a)	Explain five areas of network management model and operation.	10
b)	Discuss the security mechanism defined by x 800.	10
	Part - B	
4.a)	Explain cipher block mode of operations.	10
b)	What is message authentication code? How it is implemented using one way Hafunction?	ish 10
5.a)	What are key rings? Discuss the usefulness of key rings in message generation and message reception.	10
b)	What are the benefits and apps of IP Sec?	10
6.a)	Explain SSL architecture and SSL record protocol.	10
b)	Discuss differences between version 4 and 5 of Kerberos.	10
	Part - C	
7.	Answer the following:	
	Expand CIO and CISO.	2
b)		1
c) d)		2
8.	· · · · · · · · · · · · · · · · · · ·	
a)	What are the different types of IDS?	2
b)	V 1	2
c)		2
d) 9.	What are the different authentication procedure?	2
a)	What are the functions provided by S/MIME?	2
_ b)		2
c)		1
d)	What are the contents of authorization Request message?	1