FACULTY OF ENGINEERING
B.E. 4/4 (CSE) I Semester (Main) Examination, December 2011
INFORMATION SECURITY (Elective – I)

Time: 3 Hours]

[Max. Marks: 75

Note : *Answer **all** questions of Part **A**.*
*Answer **five** questions from Part **B**.*

PART – A
(25 Marks)

1. What are different risk control strategies ?

2. Draw the 3-D NSTISSC model of security.

3. How is a policy different from a law ?

4. What is Finger printing ?

5. What is Foot printing ?

6. What constitutes a security perimeter ?

7. What is the operating principle of a Message Authentication Code ?

8. In the context of a cipher, discuss confusion and diffusion.

9. What is SET protocol ?

10. What are the requirements of a digital signature ?

PART – B
(50 Marks)

11. Discuss in detail the different characteristics of information from the information security point of view.

12. List and describe different types of attacks on information systems.

13. Discuss in detail different types of Fire Walls and Intrusion Detection systems.

14. Give a brief overview of all the activities involved in risk management.

15. Describe the DES algorithm in detail.

16. Describe the working of MD5 algorithm in detail.

17. Describe SSL protocol stack.