FACULTY OF ENGINEERING

B.E. 4/4 (CSE) I – Semester (Main) Examination, November 2013

Subject: Information Security

Time: 3 Hours   Max.Marks: 75

Note: Answer all questions from Part A. Answer any five questions from Part B.

PART – A (25 Marks)

1.	Draw 3-D NSTISSC model of security.	(3)
2.	Differentiate between laws and ethics	(2)
3.	Write the risk from estimation formula.	(3)
4.	What is the role of proxy server?	(2)
5.	How transport mode is used in VPNS?	(3)
6.	What are the different biometric access controls?	(2)
7.	How does a signature based IDPS different from a behaviour-based IDPS.	(3)
8.	What is physical security?	(2)
9.	What is substitution cipher?	(3)
10.	What are the components of information systems?	(2)

PART – B (5x10 = 50 Marks)

11.	Discuss the different threats of information security.	(10)
12.	What is Risk Management? Discuss the risk assessment.	(10)
13.(a)	Discuss the attacks on crypto system.	(5)
(b)	Explain public key infrastructure.	(5)
14.(a)	Discuss the different firewall architectures.	(5)
(b)	Explain network IDPS.	(5)
15.	Discuss the information security project management.	(10)
16.(a)	Discuss the steps ion configuration management.	(6)
(b)	Discuss digital forensic process.	(4)

17.   Write short notes on:
   a) Digital signature
   b) Honey pots
   c) Spheres of security.

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