

FACULTY OF INFORMATICS

B.E. 4/4 (IT) I – Semester (New) (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. What are the components of an information system? (3)
2. Differentiate between denial of service and distributed denial of service attacks. (2)
3. Define Risk Management. (2)
4. Differentiate between IRP and DRP. (3)
5. Define DMZ. (2)
6. Write about spheres of security. (3)
7. Define cryptography and cryptanalysis. (2)
8. Differentiate between symmetric and asymmetric encryption. (3)
9. What is Bull's Eye Model? (2)
10. Write about Internal Control Strategies. (3)

PART – B (5x10 = 50 Marks)

11. What is a Threat? Explain different types of threats in detail. (10)
12. Explain the various risk control strategies in detail. (10)
13. Briefly explain the categorization of Firewalls. (10)
14. What is IDS? Explain the various types of IDS in detail. (10)
15. Explain the various steps involved in Information Security Management? (10)
- 16.(a) Discuss about the Risk Assessment process. (5)
(b) Outline any five attacks. (5)
17. Write short notes on the following:
 - a) VPNs. (4)
 - b) Triple DES (3)
 - c) Digital Forensics (3)
