FACULTY OF INFORMATICS
B.E. 4/4 (IT) I – Semester (New) (Supplementary) Examination, July 2014

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 various characteristics of Information? 3
2. How do hackers differ from crackers? 2
3. Write short notes on policy us law. 3
4. Define Residual Risk. 2
5. What is Information security blue print? 2
6. Write about proxy server. 3
7. What is IDPS? 2
8. Write about digital signatures. 3
9. Differentiate between certification and Accreditation. 2
10. List out the various employment policies and practices. 3

PART – B (50 Marks)

11. Explain the various stages involved in security systems development life cycle. 10

12. Explain the process of risk identification in detail. 10

13. a) Explain the various firewall architectures. 6
   b) Write about securing authentication with Kerberos. 4

14. a) Write about symmetric encryption. 3
    b) Explain RSA algorithm with the help of an example. 7

15. Briefly explain the security maintenance model. 10

16. a) Discuss about the selection of Risk control strategy. 6
    b) Write about RADIUS and TACACS. 4

17. Write short notes on the following:
   a) Public key encryption 3
   b) DES 4
   c) Bull’s eye model 3

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