

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 |
