

**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)**

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|----|---|---|
| 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)**

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|----|---|----|
| 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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