

FACULTY OF ENGINEERING AND INFORMATICS

B.E. 4/4 (CSE/IT) I-Semester (Suppl) Examination, May/June 2018
Subject: Information Security

Time: 3 Hours**Max. Marks: 75****Note: Answer All Questions From Part-A & Any five Questions From Part-B.****Part – A (25 Marks)**

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| 1. What are the various characteristics of information? | 3 |
| 2. Differentiate between DoS and DDoS | 2 |
| 3. Define : Residual Risk | 2 |
| 4. Write short notes on Policy Vs law | 3 |
| 5. What is information security Blueprint? | 2 |
| 6. Write about VPNs. | 3 |
| 7. Define cryptography and Cryptanalysis | 2 |
| 8. Differentiate symmetric and Asymmetric Encryption. | 3 |
| 9. Write about internal control strategies | 3 |
| 10. What is Bull's eye model? | 2 |

PART –B (5x10 = 50 Marks)

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| 11. What is a threat? Explain the 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 IDPS? Explain the various types of IDPS and its detection methods in detail? | 10 |
| 15. Explain the various steps involved in information security project management? | 10 |
| 16 a) Outline any five attacks | 5 |
| b) Discuss about the Risk Assessment | 5 |
| 17. Write short notes on the following: | |
| a) Digital signatures | 4 |
| b) Triple DES | 3 |
| c) Digital Forensics | 3 |
