M.Sc. DEGREE EXAMINATION – JUNE, 2019.

Second Year

NETWORK SECURITY

Time : 3 hours   Maximum marks : 75

PART A — (5 × 5 = 25 marks)

Answer any FIVE questions.

1. Define computer security and explain the three key objectives.

2. Explain about OSI Security Architecture.

3. What are the types of security attacks?

4. Write about Public-Key Encryption Structure.

5. Write about Kerberos authentication.

6. Discuss about Symmetric block encryption algorithms

7. Write about Secure Hash Functions.

PART B — (5 × 10 = 50 marks)

Answer any FIVE questions.

8. Explain about intrusion detection.

9. Discuss about Public key Cryptography.

10. Write about
    (a) Secure Hash Functions
    (b) Message Authentication codes.

11. Discuss about IP Security architecture.

12. Write about Malicious Software.

13. Explain about Intruders.

14. Describe the types of Firewalls

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