Reg. No. : [ ][ ][ ][ ][ ][ ][ ][ ][ ][ ][ ][ ][ ]

Question Paper Code : 31180

Time : Three hours   Maximum : 100 marks

Answer ALL questions.

PART A — (10 × 2 = 20 marks)

1. Differentiate between Information and Communication Security.

2. Give the critical characteristics of Information.

3. What is the need for providing security?

4. What are the threats to Information Security?

5. What is meant by risk management?

6. How will you assess the level of risk?

7. What is BS7799?

8. Give the model of VISA.

9. What is personnel security?

10. What is IDS?

PART B — (5 × 16 = 80 marks)

11. (a) (i) Explain in detail NSTISSC Security Model.   (8)

    (ii) Discuss briefly the various components of Information system.   (8)

                                   Or

    (b) (i) Write a note on the history of Information Security.   (8)

    (ii) Explain in detail SDLC.   (8)

12. (a) (i) Explain the various categories of illegal and unethical behaviour with suitable examples. (8)

   (ii) Write a note on various types of security threats. (8)

Or

   (b) Explain the various types of security attacks prevention mechanisms. (16)

13. (a) Write a detailed note on risk identification and assessment. (16)

Or

   (b) Discuss briefly about controlling the risk. (16)

14. (a) (i) Explain the blueprint for security. (8)

   (ii) Write a note on Information Security Policy. (8)

Or

   (b) Write a detailed note on the design of security architecture. (16)

15. (a) (i) What are Trusted Systems? Explain in detail. (10)

   (ii) Discuss briefly Intrusion detection mechanisms. (6)

Or

   (b) Write a detailed note on Cryptography. (16)

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