MAY 2025 **P/ID 78017/RMBB2**

Time : Three hours Maximum : 80 marks

PART A — (10 × 2 = 20 marks)

Answer any TEN questions in 50 words each.

Write short notes on the following.

1. Define Information Security.

2. List out the critical characteristics of information?

3. What is the function of NSTISSC security model?

4. What do you mean by threat in information security?

5. Define vulnerability.

6. What is risk management?

7. What is an information security policy?

8. Define ISO 17799.

9. What is cryptography?

10. Define access control.

11. What is an intrusion detection system (IDS)?

12. What is physical security?

PART B — (5 × 6 = 30 marks)

Answer any FIVE questions in 250 words each.

13. Summarize the components of an information system.

14. Discuss business needs for information security.

15. Explain different types of security attacks.

16. Describe the process of risk identification and assessment.

17. Explain briefly about information security policies and standards.

18. Write a note on cryptographic techniques.

19. Discuss the importance of physical security controls.

PART C — (3 × 10 = 30 marks)

Answer any THREE questions in 500 words each.

20. Explain the Security Software Development Life Cycle in detail.

21. Discuss legal, ethical, and professional issues in information security.

22. Explain risk management strategies for controlling risk.

23. Describe the major features of cryptography used for data protection.

24. Explain various security technologies used in organizations.

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