MAY 2025 **P/ID 16311/PIT3J**

Time : Three hours Maximum : 80 marks

PART A — (10 × 2 = 20 marks)

Answer any TEN questions.

1. Define computer security.
2. What is interception?
3. What is targeted malicious code?
4. What is vulnerability?
5. State the need of audit log.
6. What is sandbox?
7. Define false positive in biometric authentication.
8. What is meant by integrity?
9. What is application proxy gateway?
10. State the functionality of Ipsec.
11. What is security policy?
12. What is computer crime?

PART B — (5 × 6 = 30 marks)

Answer any FIVE questions.

13. Discuss virus, threat and malicious code.

14. Elucidate authentication based on biometric in detail.

15. Elaborate memory address protection in detail.

16. Write short notes on multilevel database.

17. Discuss modes of network encryption in detail.

18. Elucidate intrusion detection systems in detail.

19. Compare and contrast patents, copyrights and trade secrets

PART C — (3 × 10 = 30 marks)

Answer any THREE questions.

20. Elaborate the controls against threat in detail.

21. Discuss Access control to general objects in detail.

22. Elaborate the security requirements of the database.

23. Explain the types of firewalls in detail.

24. Elucidate ethical issues in computer security with an example.

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