MAY 2022 **P/ID 17618/PCAE4**

Time : Three hours Maximum : 80 marks

PART A — (10 × 2 = 20 marks)

Answer any TEN questions.

1. What are the types of computer virus?

2. What are called non – malicious program errors?

3. What are the aspects of a computing system that require protection?

4. Give any two advantages of authentication with biometrics.

5. What is one-time password?

6. State the purpose of integrity lock.

7. Write the categories of attack in Network.

8. What do you mean by Firewall?

9. What is IPsec?

10. What is Physical Security?

11. List any two Ethical issues in computer security.

12. What are the reasons for software failure?

PART B — ($5 \times 6 = 30$ marks)

Answer any FIVE questions.

13. Discuss on 'computer criminals'.

14. Brief on controls against program threats.

15. Explain the various methods to enable Operating System security.

16. Explain the guidelines for selecting passwords.

17. Discuss on intrusion detection systems.

18. What do you mean by secure e-mail? Explain

19. Discuss the ethical issues in computer security.

PART C — ($3 \times 10 = 30$ marks)

Answer any THREE questions.

20. Discuss about Targeted Malicious code.

21. How authentication is carried out using challenge – response method? Explain.

22. Explain the requirements for Database security.

23. How will you protect programs and data? Explain.

24. Explain organizational security policies and risk analysis in detail.

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