512

October 2017

Time – Three hours
(Maximum Marks: 75)

[N.B: (1) Q.No. 8 in PART – A and Q.No. 16 in PART – B are compulsory. Answer any FOUR questions from the remaining in each PART - A and PART – B.

(2) Answer division (a) or division (b) of each question in PART-C.

(3) Each question carries 2 marks in PART – A, 3 marks in Part – B and 10 marks in PART – C.]

PART – A

1. Define authenticity of information.

2. Who is data custodian?

3. What is boot virus?

4. What is a worm?

5. What is mitigation?

6. What is hybrid firewall?

7. Define digital signature.

8. What is clean agent?

PART – B

9. What is the role of team leader in an information security project team?

10. Briefly explain about the denial of service attack.

11. What is cost benefit analysis?

12. What is content filter? Briefly explain.

13. What is VPN? Give an example for tunnel mode VPN.

14. What is remote access?

15. What is a sprinkler system?

16. Briefly write about biometric locks.

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PART – C

17. (a) Explain the critical characteristics of information.

(Or)

(b) Explain about SDLC.

18. (a) Explain the different types of attacks.

(Or)

(b) Discuss the important functions of information security performs for an organisation.

19. (a) Explain any two risk control strategies.

(Or)

(b) Explain the risk assessment with an example.

20. (a) Explain about any one cipher method.

(Or)

(b) Write short notes on: (i) Packet filtering firewall (ii) Stateful inspection firewall.

21. (a) Discuss about physical security controls.

(Or)

(b) Discuss about fire detection and suppression.

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