

MAY 2016

P/ID 40403/PISC

Time : Three hours

Maximum : 100 marks

PART A — (10 × 2 = 20 marks)

Answer ALL questions each in 50 words.

1. Write Information security.
2. What is the scope of computer security?
3. What is NSTISSC security code?
4. What is SDLC?
5. Definition of Firewall.
6. Definition of Logs.
7. Definition of Risk Management.
8. Definition of Public-Key.
9. Definition of Protocols.
10. Definition of Scorecards.

PART B — (5 × 6 = 30 marks)

Answer ALL questions in about 250 words.

11. (a) Explain different approaches of information security implementation.

Or

- (b) Explain data integrity and availability in information security.

12. (a) Explain :

- (i) Packet filtering
- (ii) Proxy server.

Or

- (b) Explain audit and administration of firewalls.

13. (a) Explain Risk mitigation with example.

Or

- (b) Explain :

- (i) Operational controls
- (ii) Physical controls.

14. (a) Explain Steganography concepts with suitable example. [message hiding techniques]

Or

- (b) Explain Digital signature.

15. (a) Explain :
- (i) Hashing
 - (ii) Access control.

Or

- (b) Explain the concept of Encryption techniques in Information Security.

PART C — (5 × 10 = 50 marks)

Answer ALL questions each in 500 words.

16. (a) What is information? Why should be protect the information? Explain.

Or

- (b) Explain advantage of information system with suitable example.

17. (a) Explain in detail :
- (i) Information classification
 - (ii) Type of methodology.

Or

- (b) Explain :
- (i) Risk identification
 - (ii) Risk projection.

18. (a) Explain prevention and detection of fire.

Or

(b) Explain :

(i) Network

(ii) Application software.

19. (a) Explain what are the problems in investigation in Cyber Crimes.

Or

(b) Explain Information Technology Act 2000 with details.

20. (a) Explain Information Technology Governance with example.

Or

(b) Explain Information Security Governance with example.