

**668****April 2018***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. Draw SDLC waterfall methodology diagram.
2. List out the critical characteristics of information.
3. What is attack?
4. Define risk management.
5. What is the use of access control?
6. Draw TCP packet structure.
7. Define firewall.
8. What are the three methods of data interception?

**PART – B**

9. Write the concept of information system.
10. What is direct attack?
11. Define threats.
12. List out the components of risk management.
13. Define honey pots.
14. List out the uses of IDPS.
15. What is physical security?
16. What is smoke detection system?

PART - C

17. (a) Explain in detail about security system development life cycle.

(Or)

(b) Explain components of an information system.

18. (a) Explain any three categories of threat.

(Or)

(b) Explain codes of ethics and professional organizations.

19. (a) Explain in detail about risk control strategies.

(Or)

(b) Explain in detail about risk identification with neat sketch.

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20. (a) Explain VPN in detail.

(Or)

(b) Explain any two intrusion detection and prevention systems detection methods.

21. (a) Explain in detail about fire detection and fire suppression.

(Or)

(b) Explain in detail about interception of data in mobile and portable system.

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