

Code : 15CS62T

Register
Number

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VI Semester Diploma Examination, Nov./Dec.-2018

NETWORK SECURITY AND MANAGEMENT

[Max. Marks : 100

Time : 3 Hours]

Instructions : (1) Answer any six questions from Part – A. Each carries 5 marks.

(2) Answer any seven full questions from Part – B. Each carries 10 marks.

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PART – A

1. Define the categories of passive and active attacks.

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2. List the design objectives of HMAC.

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3. Describe trusted operating system.

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4. Define IDS. List the functions performed by Intrusion Detection System.



5

5. Mention the different types of firewalls.

5

6. Explain how to safeguard wireless LANs.

5

7. List the various WLAN configurations.

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8. List the parameters of SSL connection state.

5

9. Write a short note on Indian Penal Code.

PART – B

10. Explain with a neat diagram Feistel Cipher structure and its design elements. 10
11. Explain with a neat diagram stream cipher structure and list its important design considerations. 10
12. Write the public key encryption structure and explain it with a neat diagram. 10
13. Explain the various hardware securities (smart card and biometrics). 10
14. Write a note on Host based IDS. 10
15. Explain host dependent programs and host independent programs. 10
16. Explain WAP protocol architecture. 10
17. Describe web traffic security approaches. 10
18. Explain SSL record protocol with a neat diagram. 10
19. Explain how an email system works with a diagram. 10

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