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VI Semester Diploma Examination, April/May-2019

**NETWORK SECURITY AND MANAGEMENT**

Time : 3 Hours ]

[ Max. Marks : 100

- Instructions :** (i) Answer any six questions from Part – A. Each question carries 5 marks.  
(ii) Answer any seven full questions from Part – B. Each question carries 10 marks.

**PART – A****BETA CONSOLE!**

1. Explain OSI security architecture. 5
2. Explain the three key objectives of computer security. 5
3. What are the categories of security services ? Explain. 5
4. Write a note on S/MIME. 5
5. Describe the classification IDS. 5
6. Mention the limitations of firewalls. 5
7. List the different WLAN configurations. 5
8. List and explain the different parameters of SSL session state. 5
9. Describe Information Technology Act, 2000. 5

## PART - B

10. Explain RSA public key encryption algorithm with an example. 10
11. (a) List the design objectives of HMAC. 5  
(b) Explain CRT mode operations with neat diagram. 5
12. Explain Network security model with a neat diagram. 10
13. What is VPN ? With a neat diagram explain its types. 10
14. With a neat diagram explain packet filtering firewall and its importance. 10
15. Explain Host Based IDS. 10
16. Explain WAP protocol architecture. 10
17. Explain SSL Record Protocol with a neat diagram. 10
18. What are the initiatives undertaken by Government to upgrade security standards ? 10
19. Describe the SET components and their relationships. 10

BETA CONSOLE!

Diploma - [All Branches]

Beta Console Education

3+



Diploma Question Papers [2015-19]

Beta Console Education

3+

