

No. of Printed Pages : 4 180862/170862/120862  
Roll No. .... /030865A

**6th Sem / Comp, IT  
Subject:- Network Security**

Time : 3Hrs. M.M. : 100

## **SECTION-A**

**Note:** Multiple choice questions. All questions are compulsory (10x1=10)

- Q.1 The process of hacking the telecommunication system to obtain free calls or contact high cost numbers is known as (CO1)

  - a) Hacktivism
  - b) Phreaking
  - c) Encryption
  - d) Decryption

Q.2 Which of the following is used for remote login? (CO2)

  - a) telnet
  - b) http
  - c) ftp
  - d) Remotenet

Q.3 Decryption occurs at \_\_\_\_\_ layer. (CO2)

  - a) application
  - b) Transport
  - c) Presentation
  - d) Network

Q.4 HTTPS is the abbreviation for (CO4)

  - a) Hypertext Transfer Protocol Secure
  - b) Hypothetical service
  - c) Hypertext Transport Passing Service
  - d) None of these

Q.5 Process of converting Plain text into cipher text is called. (CO3)

- a) Decryption
  - b) Encryption
  - c) Conversion
  - d) Translation

Q.6 RSA stands for (CO2)

- a) Rivest, Shamir, Adleman
  - b) Ravish, Shyam, Aladdin
  - c) Real, Shell, Altavista
  - d) None of these

Q.7 The process of verifying the identify of a user is known as (CO2)

- a) Memory tracking      b) Mapping
  - c) Authentication        d) Hacking

Q.8 API stands for (CO1)

- a) Application Project Interface
  - b) Application Programming Interface
  - c) Application Port Interface
  - d) None of the mentioned

Q.9 PGP stands for (CO3)

- a) Possible Genuine Part
  - b) Pretty Good Privacy
  - c) Premium Goal Possible
  - d) Premium Good Service

Q.10 VIRUS stands for (CO<sub>2</sub>)

- a) Very Important Resources Under Source
  - b) Vital Information Resources Under Siege
  - c) Value Intensive Resources Under Scan
  - d) None of these

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## **SECTION-B**

**Note:** Objective type questions. All questions are compulsory. (10x1=10)

- Q.11 What is Triple DES? (CO4)  
Q.12 List one type of Attack. (CO3)  
Q.13 What do you mean by hashing? (CO3)  
Q.14 What is IOS jailbreaking? (CO2)  
Q.15 SSL stands for. (CO4)  
Q.16 What is the difference between plain text and cipher text? (CO1)  
Q.17 ICMP stands for \_\_\_\_\_ (CO4)  
Q.18 Define concealment. (CO3)  
Q.19 What is the full form of IDS? (CO4)  
Q.20 Define demilitarized zone. (CO1)

## **SECTION-C**

**Note:** Short answer type questions. Attempt any twelve questions out of fifteen questions. (12x5=60)

- Q.21 What is firewall? Write down its various characteristics. (CO4)  
Q.22 What is a Digital Signature? What are its basic requirements and functions? (CO3)  
Q.23 What is IPSec? What are various features of IPSec? (CO3)  
Q.24 Explain Disaster and its types. (CO2)  
Q.25 Differentiate Grey hat, white hat and black hat hackers. (CO2)  
Q.26 Explain the role of disk mirroring in RAID management. (CO4)

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- Q.27 Name three types of message in PGP and explain their purposes. (CO4)  
Q.28 Differentiate white listing and black listing. (CO3)  
Q.29 Elaborate IDS and its types. (CO4)  
Q.30 Explain different types of viruses. (CO4)  
Q.31 What are various WAN topologies? (CO5)  
Q.32 Write short notes on  
a) Attacker b) Dropper c) Stealth virus  
Q.33 List various principles of Network Security.  
Q.34 Write notes on  
a) IT Act 2000  
b) IDS limitation  
Q.35 What is ethical hacking? List rules for ethical hacking.

## **SECTION-D**

**Note:** Long answer type questions. Attempt any two questions out of three questions. (2x10=20)

- Q.36 What is Cryptography. Explain the concept of symmetric and Asymmetric key cryptography.  
Q.37 Explain VPN and its types.  
Q.38 Write note on  
a) Working of Md5  
b) UPS  
c) Levels of RAID

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