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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 \_\_\_\_\_ (CO2)
- a) Very Important Resources Under Source  
b) Vital Information Resources Under Siege  
c) Value Intensive Resources Under Scan  
d) None of these

### 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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