

SECTION-D

Note: Long answer type questions. Attempt any two questions out of three questions. (2x8=16)

Q.23 What is virus? Explain the various types of viruses.

Q.24 a) Describe the configuration policy in terms of cyber security. Why it is required.

b) Write short note on Hashing.

Q.25 Write short note on any two

a) RSA

b) Ransomware

c) Network disaster,

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Roll No.

6th Sem / Computer , Computer (For Speech and Hearing Impaired)

Subject : Network Security

Time : 3 Hrs.

M.M. : 60

SECTION-A

Note: Multiple choice questions. All questions are compulsory (6x1=6)

Q.1 An algorithm in encryption is called_____

a) Algorithm b) Procedure

c) Cipher d) Module

Q.2 What does a firewall do in network security?

a) Blocks all incoming and outgoing traffic.

b) Filters and controls network traffic based on predefined security rules

c) Increases network bandwidth

d) Encrypts all network communications

Q.3 Which process involved converting plaintext into a scrambled form using a specific algorithm and a key?

- a) Authentication b) Decryption
- c) Encryption d) Authorization

Q.4 VPN is abbreviated as _____

- a) Visual Private Network
- b) Virtual Protocol Network
- c) Virtual Private Network
- d) Virtual Protocol Networking

Q.5 Which of the following is not a type of virus?

- a) Boot Sector b) Polymorphic
- c) Multipartite d) Trojans

Q.6 Which of the following is performed by an antivirus software on an infected file

- a) Repairs the infected file
- b) Deletes the infected file
- c) Quarantines the infected file
- d) All of these

SECTION-B

Note: Objective/ Completion type questions. All questions are compulsory. (6x1=6)

Q.7 What is Hacker?

Q.8 Define Cryptography.

Q.9 In a transportation cipher, the plaintext is constructed by the _____ of the ciphertext.

Q.10 Define Decryption

Q.11 What is a WORM?

Q.12 What are digital certificate?

SECTION-C

Note: Short answer type questions. Attempt any eight questions out of ten questions. (8x4=32)

Q.13 What is attacker. Describe various types of attack in brief.

Q.14 Write down advantages and disadvantages of DES.

Q.15 List the various symptoms/ indications to detect that system is virus infected.

Q.16 Write down the various limitations of firewall.

Q.17 Explain IDS and its types.

Q.18 Write a short note on Symmetric Key cryptography.

Q.19 What is VPN? Explain VPN Diagram.

Q.20 What is whitelisting & blacklisting?

Q.21 Define SSH? Write down its function and working.

Q.22 Explain any two types of firewalls.