

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)



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- Q.5 Network layer firewall has two sub-categories as

  - State full firewall and stateless firewall
  - Bit oriented firewall and byte oriented firewall
  - Frame firewall and packet firewall
  - Network layer firewall and session layer firewall

Q.6 What is transformed using cipher algorithms?

  - Scaler Text
  - Complex text
  - Cipher Text
  - None of these

Q.7 Firewall examines each \_\_\_\_\_ that are entering or leaving the internal network.

  - email users
  - updates
  - connections
  - data packets

Q.8 Which level of RAID refers to disk mirroring with block striping?

  - RAID level 1
  - RAID level 2
  - RAID level 0
  - RAID level 3

Q.9 Using VPN, we can access \_\_\_\_\_

  - Access site that are blocked geographically
  - Compromise other's system remotely
  - Hide our personal data in the cloud
  - Encrypts our local drive files while transferring

Q.10 Which of the following is not considered a natural disaster that can affect computer systems?

  - Flood
  - falling water
  - excessive heat
  - fire

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## **SECTION-B**

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

- Q.11 Data encryption is primarily used to ensure confidentiality. (True/False)
- Q.12 Define skimming?
- Q.13 What is IT Act 2000?
- Q.14 Define Encryption?
- Q.15 What is Cryptography?
- Q.16 Define Ransomware?
- Q.17 Define Tear drop attack?
- Q.18 What are IDS?
- Q.19 What is the main benefits of backup?
- Q.20 Define Server Disaster?

## **SECTION-C**

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

- Q.21 Define hacking and its types in details.
- Q.22 What do you mean by cyber crime? Write the name of Law to handle Cyber Crime?
- Q.23 Differentiate between Active & passive Attacks?
- Q.24 What is Cryptography and what are its benefits?
- Q.25 Differentiate between plain text & cipher text?
- Q.26 What is symmetric key cryptography how it is differ from asymmetric key cryptography?

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- Q.27 Differentiate between Digital signature & Digital Certificate?
- Q.28 What are various types of viruses? Discuss in brief
- Q.29 Write a note on "Trojan Horse"?
- Q.30 List down the various features of IT Act 2000
- Q.31 What is Firewall? List various advantages of a Firewall?
- Q.32 Define Intrusion detection systems?
- Q.33 What is Cyber Asset & handling of cyber Asset?
- Q.34 What is a disaster? Explain its types.
- Q.35 Define the term backup? What is its need and what are its best practices.

## **SECTION-D**

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

- Q.36 What is a VPN? Explain its working and security provided by it.
- Q.37 What is network and why it needs security? Explain
- Q.38 Write a note on:  
i) RAID  
ii) DES

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