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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 What is Cyber Security?
- a) Cyber Security provides security against malware
 - b) Cyber Security provides security against cyber-terrorists
 - c) Cyber Security protects a system from cyber attacks
 - d) All of the mentioned
- Q.2 Identify the legal form of hacking
- a) Cracking b) Non-Ethical hacking
 - c) Ethical hacking d) Hacktivism
- Q.3 Identify the term which denotes that only authorized users are capable of accessing the information
- a) Confidentiality b) Integrity
 - c) Availability d) All of the above
- Q.4 Which software is mainly used to help users detect viruses and avoid them?
- a) Antivirus b) Adware
 - c) Malware d) None from these

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- Q.5 Network layer firewall has two sub-categories as
- a) State full firewall and stateless firewall
 - b) Bit oriented firewall and byte oriented firewall
 - c) Frame firewall and packet firewall
 - d) Network layer firewall and session layer firewall
- Q.6 What is transformed using cipher algorithms?
- a) Scaler Text b) Complex text
 - c) Cipher Text d) None of these
- Q.7 Firewall examines each _____ that are entering or leaving the internal network.
- a) email users b) updates
 - c) connections d) data packets
- Q.8 Which level of RAID refers to disk mirroring with block striping?
- a) RAID level 1 b) RAID level 2
 - c) RAID level 0 d) RAID level 3
- Q.9 Using VPN, we can access _____
- a) Access site that are blocked geographically
 - b) Compromise other's system remotely
 - c) Hide our personal data in the cloud
 - d) Encrypts our local drive files while transferring
- Q.10 Which of the following is not considered a natural disaster that can affect computer systems?
- a) Flood b) falling water
 - c) excessive heat d) 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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