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Sem. 6th
Computer Engg. I.T.
Sub : Network Security

Time : 3 Hrs.

M.M. : 100

SECTION-A

Note: Multiple Choice Questions. All Questions are compulsory. (10x1=10)

- Q.1 Which is the Act which provides legal framework for e-Governance in India
- a) IT (amendment) Act 2008
 - b) Indian Penal Code
 - c) IT Act 2000
 - d) None of the above
- Q.2 The process of verifying the identify of a user.
- a) Authentication b) Identification
 - c) Validation d) Verification
- Q.3 Which of the following is defined as an attempt to steal, spy, damage or destroy computer system, networks, or their associated information?
- a) Computer security b) Cyber attack
 - c) Cryptography d) Digital Hacking

- Q.4 Which of the following is an objective of network security?
- a) Confidentiality b) Integrity
 - c) Availability d) All of the above
- Q.5 Which of the following attacks is a passive attack
- a) Masquerade
 - b) Modification of message
 - c) Denial of service
 - d) Traffic analysis
- Q.6 Public key cryptography is also known as
- a) Symmetric cryptography
 - b) Asymmetric cryptography
 - c) Symmetric & Asymmetric both
 - d) None of these
- Q.7 Digital signature is a _____.
- a) Digital id, send as an attachment to a web page/e mail / message
 - b) Is used for verifying the attachments send using web
 - c) Both A and B
 - d) None of these
- Q.8 Which of the following is / are the types of firewall?
- a) Packet Filtering Firewall
 - b) Dual Homed Gateway Firewall
 - c) Screen Host Firewall
 - d) Dual Host Firewall

- Q.9 VPN technology uses two simultaneous techniques to guarantee privacy for us organisation
- a) SSI : tunneling b) IPsec; SSL
- c) IPSee : tunneling d) None of the above
- 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

Section-B

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

- Q.11 Define Network Security?
- Q.12 What is Hacker?
- Q.13 Define DES?
- Q.14 What is cipher text?
- Q.15 Define Ipsec?
- Q.16 Define Computer Virus?
- Q.17 Define Address Translation?
- Q.18 Define Tear drop attack?
- Q.19 What do you mean by VPN?
- Q.20. Expand RAID?

Section-C

Note: Short answer type Question. Attempt any twelve questions out of Fifteen Questions. (12x5=60)

- Q.21 What is network security? Why it is required.

- Q.22 Define cyber crime? What law reduces it?
- Q.23 Differentiate between Internal & External level attack?
- Q.24 Define Cryptography and its benefits?
- Q.25 Differentiate between plain text & cipher text?
- Q.26 Differentiate between symmetric and asymmetric key cryptography?
- Q.27 What do you mean by Digital signature?
- Q.28 What are computer viruses and how do they work?
- Q.29 Explain the term ANSI Bomb?
- Q.30 Write down the various feature of IT Act 2000.
- Q.31 Write the characteristics of a Firewall?
- Q.32 Write a note on cyber security?
- Q.33 What is VPN & why it is needed?
- Q.34 What are the benefits of HIDS?
- Q.35 What is a disaster? Explain its types.

Section-D

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

- Q.36 What is a Firewall? What are the types of Firewall? Also explain how it is deployed?
- Q.37 What is IDS? Explain the various types of IDS in details.
- Q.38 Explain Server Disaster and Recovery.