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Roll No.....

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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 cryptophraphy
- 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

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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.