180862/170862/
120862/030865A

6th Sem / Branch : Computer Engg./IT
Sub.: Network Security

Time : 3Hrs.   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   Firewalls are used for _____
      a)   Routing   b)   Security
      c)   Tunneling   d)   Congestion control

Q.3   The field that covers the variety of computer
      network, both pubic and private that used in
      everyday job?
      a)   Artificial intelligence
      b)   ML
      c)   IT
      d)   Network Security

Q.4   Which of the following is not considered a natural
      disaster that can affect computer systems?
      a)   Falling water   b)   Flood
      c)   Excessive heat   d)   Short circuit fire

Q.5   _____ is used to validate the identity of the
      Message sender to the recipient
      a)   Encryption   b)   Decryption
      c)   Digital certificate   d)   None of these

Q.6   Which of the following attacks is a passive attack?
      a)   Masquerade
      b)   Modification of message
      c)   Denial of service
      d)   Traffic analysis

Q.7   DES stands for
      a)   Data Encryption Standard
      b)   Data Encryption Statistics
      c)   Data Encryption system
      d)   Data Encryption Sequence

Q.8   "Parity Bits" are used for which of the following
      purposes?
      a)   Encryption of data   b)   To transmit faster
      c)   To detect errors   d)   To identify the user

Q.9   Pretty Good Privacy (PGP) is used in
      a)   Browser Security   b)   FTP Security
      c)   E-mail Security   d)   None of the above

Q.10 SSL provides _____
- a) Message integrity
- b) Confidentially
- c) Compression
- d) All of the above

SECTION-B

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

Q.11 What is IT (Amendment) Act. 2008?

Q.12 Define term worms and Trojan.

Q.13 Explain teardrop attacks.

Q.14 Expand clustering.

Q.15 Define lpsec?

Q.16 What is IT act 2000 amended 2008?

Q.17 Expand UPS.

Q.18 What do you mean by VPN?

Q.19 What are the different types of encryption?

Q.20 Define Network Security?

SECTION-C

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

Q.21 Define Cryptography and its benefits?

Q.22 What is a disaster? Explain its types?

Q.23 What do you mean by Digital Signature?

Q.24 Explain the term ANSI Bomb?

Q.25 Explain the concept of symmetric and a symmetric key cryptography.

Q.26 Differentiate between encryption and decryption of data?

Q.27 What is Virus? Explain its types.

Q.28 Define cycle redundancy check.

Q.29 What is ethical hacking explain it with example?

Q.30 Differentiate between internal & External level attack?

Q.31 Write down various features of IT Act. 2000.

Q.32 What is the configuration policy in handling of cyber assets system?

Q.33 Explain IDS counter measures.

Q.34 Differentiate between plain text & cipher text?

Q.35 Draw a neat diagram of VPN and explain it with example.

SECTION-D

Note: Long answer type questions. Attempt any two questions 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 Explain Server Disaster and Recovery?

Q.38 Write short note on the following:
- a) IDS
- b) UPS