

- 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

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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 public and private that used in everyday job?

- a) Artificial intelligence
b) ML
c) IT
d) Network Security

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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 Ipsec?

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 ANSIBomb?

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