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Roll No.

181051

Eltx. Engg.
Subject:- Computer Networks

Time : 3Hrs.

M.M. : 100

SECTION-A

Note: Multiple choice questions. All questions are compulsory (10x1=10)

Q.1 WAN stands for _____

- a) World area network b) Wide area network
- c) Wireless area network d) Wide access network

Q.2 Which is not a type of topology?

- a) Bus Topology b) Ring Topology
- c) Root Topology d) Mesh Topology

Q.3 IP address 172.132.21.2 belongs to which class?

- a) Class A b) Class B
- c) Class D d) Class C

Q.4 TCP stands for _____

- a) Transmission Control Protocol
- b) Transfer Control Protocol
- c) Transmission Control Process
- d) Transmit Control Protocol

Q.5 ICMP stands for _____

- a) Integrated Control message Protocol

- b) Internet Control Message Process
- c) Internet Control Message Protocol
- d) Integrated Control Message Process

Q.6 The another name of IEEE 802.3 standard is _____

- a) CSMA/CD b) Wi-Fi
- c) WiMax d) Bluetooth

Q.7 In 10Base T standard, T represents the _____ of the Ethernet network.

- a) Cable length b) Cable type
- c) Data Rate d) None of the above

Q.8 VOIP stands for _____

- a) Voice over internet protocol
- b) Video over internet protocol
- c) Viruses over internet protocol
- d) Virtual over internet protocol

Q.9 Ethernet system uses which of the following technology ?(Bus Topology)

- a) Ring Topology b) Mesh Topology
- c) Bus Topology d) Tree Topology

Q.10 FTP stands for _____

- a) File Transmission Protocol
- b) File Transmission Process
- c) File Transfer Protocol
- d) File Transfer Process

SECTION-B

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

- Q.11 What is computer network?
- Q.12 On the basis of scale, how we can classify the network?
- Q.13 Name different modes of transmission.
- Q.14 Which IP address is used for loop back testing?
- Q.15 In TCP/ IP model, IP address is of how many bits?
- Q.16 What is the ARP?
- Q.17 What is the use of bridge in computer networks?
- Q.18 What is the full form of WAP?
- Q.19 Define the term “authentication”.
- Q.20 DNS is a standard technology for managing the names of website and other internet domain. Is this statement is true or false?

SECTION-C

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

- Q.21 What is a computer network? How it useful in our daily life.
- Q.22 Explain data link and transport layer of OSI model.
- Q.23 Explain the differences between circuit switching and packet switching.
- Q.24 What is ring topology? What are its advantages and disadvantages?

- Q.25 Explain TCP/IP model layered structure.
- Q.26 What is an IP address? What are its types?
- Q.27 Explain in brief the server client model.
- Q.28 Discuss the various types of cables used in computer networks.
- Q.29 What is IEEE standard 802.3? Explain its working principle
- Q.30 Differentiate between Hub and Switch.
- Q.31 Differentiate between IPv4 and IPv6
- Q.32 Explain briefly about server management.
- Q.33 Discuss the role of cryptography in computer networking.
- Q.34 Write down the applications of Bluetooth.
- Q.35 What are the advantages and disadvantages of Wi-Fi?

SECTION-D

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

- Q.36 Explain different types of network topologies with diagram. Also give their advantages and disadvantages.
- Q.37 Explain the principle of subnetting and supernetting with example.
- Q.38 Write a short note on any two of the following:
- Raid
 - ATM
 - Wimax