



Vidyavardhini's College of Engineering & Technology

Department of Computer Engineering

Semester	V(CBCGS)	Class	TE
Course Code:	CSC503	Course Name: Computer Network(CN)	

Sample Question Paper

Q-1 In this topology there is a central controller or hub

- a) Star
- b) Mesh
- c) Ring
- d) Bus

Q-2 Communication channel is shared by all the machines on the network in

- a) Point to point
- b) unicast network
- c) multicast network
- a) broadcast network

Q-3 Data communication system spanning states, countries, or the whole world is

- a) LAN
- b) WAN
- c) MAN
- d) Routing

Q-4 The physical layer is concerned with the movement of _____ over the physical medium.

- a) program
- b) dialog
- c) protocol
- d) bits

Q-5 Bits can be send over guided and unguided media as analog signal by

- a) digital modulation
- b) amplitude modulation
- c) frequency modulation
- d) phase modulation

Q-6 Which transmission media has the highest transmission speed in a network?

- a) coaxial cable
- b) twisted pair cable
- c) optical fiber
- d) electrical cable

Q-7 The physical layer translates logical communication requests from the _____ into hardware specific operations.

- a) data link layer
- b) network layer
- c) transport layer
- d) application layer

Q-8 Which one of the following task is not done by data link layer?

- a) framing
- b) error control
- c) flow control
- d) channel coding

Q-9 In the _____ Protocol, the sender sends one frame, stops until it receives confirmation from the receiver, and then sends the next frame.

- a. Stop-and-Wait
- b. Simplest
- c. Go-Back-N ARQ
- d. Selective-Repeat ARQ

Q-10 When 2 or more bits in a data unit has been changed during the transmission, the error is called

- a) random error
- b) burst error
- c) inverted error
- d) one bit error

Q-11 Which one of the following is a data link protocol?

- a) IP
- b) TCP
- c) HDLC
- d) UDP

Q-12 The network layer is concerned with _____ of data.

- a) bits
- b) frames
- c) packets
- d) bytes

Q-13 A 4 byte IP address consists of _____

- a) only network address
- b) only host address
- c) network address & host address
- d) network address & MAC address

Q-14 What are the common protocols associated with the network layer?

- a) Address Resolution Protocol
- b) Reverse Address Resolution Protocol
- c) Internet protocol
- d) Neighbour Discovery Protocol

Q-15 Match the classes of IP addresses with their functional applications

- A. Class A ----- 1) Multicast services
- B. Class B ----- 2) Reserved for future use
- C. Class D ----- 3) Large organizations
- D. Class E ----- 4) Midsize Organizations

- a. A- 4, B- 3, C- 2, D- 1
- b. A- 2, B- 4, C- 1, D- 3
- c. A- 3, B- 4, C- 1, D- 2
- d. A- 1, B- 2, C- 3, D- 4

Q-16 In a route is selected for each destination pair of nodes in the network.

- a. flooding
- b. variable routing
- c. fixed routing
- d. random routing

Q-17 Find the class for IP address 165.20.50.10

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

Q-18 The ability of a single network to span multiple physical networks is known as

- a. Subnetting
- b. Masking
- c. Fragmenting
- d. Hopping

Q-19 Using which method in transport layer data integrity can be ensured?

- a. Checksum
- b. Repetition codes
- c. Cyclic redundancy checks
- d. Error correcting codes

Q-20 UDP packets are called as _____

- a) Segments
- b) Checksum
- c) Frames
- d) Datagrams

Q-21 Which of the following system calls results in the sending of SYN packets?

- a. socket
- b. bind
- c. listen
- d. Connect

Q-22 Which of the following is a transport layer protocol?

- a. stream control transmission protocol
- b. internet control message protocol
- c. neighbor discovery protocol
- d. dynamic host configuration protocol

Q-23. The _____ translates INTERNET domain and host names to IP address.

- a) domain name system
- b) routing information protocol
- c) network time protocol
- d) INTERNET relay chat

Q-24. Which one of the following allows a user at one site to establish a connection to another site and then pass keystrokes from local host to remote host?

- a) HTTP
- b) FTP
- c) Telnet
- d) TCP

Q-25. Application layer offers _____ service.

- a) End to end
- b) Process to process
- c) Both End to end and Process to process
- d) host to host