



Lagdu Singh Charitable Trust's (Regd.)

THAKUR COLLEGE OF ENGINEERING & TECHNOLOGY

Autonomous College Affiliated to University of Mumbai

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CBCGS SEM IV IT Computer Networks (Sample questions)

1. The TCP/IP model consists of _____ layers.
 - a. 3
 - b. 5
 - c. 7
 - d. 8

2. In the OSI model, synchronization and control are functions of the _____ layer.
 - a. application
 - b. transport
 - c. session
 - d. presentation

3. To deliver a datagram to the correct host on a network, the _____ address must be consulted.
 - a. port
 - b. IP
 - c. physical
 - d. MAC

4. Communication between a mouse and a monitor involves _____ transmission.
 - a. Simplex
 - b. Half-duplex
 - c. Full-duplex
 - d. automatic

5. An IPv6 address consists of _____ bits
 - a. 16

- b. 32
- c. 128
- d. 64

6. BGP is a _____ layer protocol.

- a. transport
- b. Data link
- c. Network
- d. Application

7. Inspect the default subnet mask for a Class C address?

(1 marks)

- a) 255.0.0.0
- b) 255.255.0.0
- c) 255.255.255.0
- d) 255.255.255.255

8. TCP is a _____ layer protocol

- a. Network
- b. Transport
- c. Datalink
- d. Application

9. The OSI is a _____ reference model developed _____ the TCP/IP protocol suite.

- a. seven layer; before
- b. six layer; before
- c. five layer; before
- d. five layer; after

10. Which of the following is a guided medium?

- a. Air
- b. Space
- c. coaxial cable
- d. atmosphere

11. Which of the following services is not offered by a network layer

- a. Routing
- b. congestion control
- c. error detection and correction
- d. addressing

12. CSMA method was developed to

- a) minimize the chance of error
- b) minimize the chance of congestion
- c) minimize the chance of collision
- d) minimize the chance of latency

13. A virtual-circuit identifier (VCI) identifies a frame between two _____

- a) Hubs
- b) switches.
- c) Routers
- d) Repeaters

14. DHCP stands for

- a) Dynamic Host Configuration Protocol
- b) Dynamic Hyper Configuration Protocol
- c) Dynamic Hyperlink Configuration Protocol
- d) Dynamic Hypertext Configuration Protocol

15. Delivery of a packet to a host or router requires

- a) logical and physical addresses:
- b) only logical address
- c) only physical address
- d) Neither logical and nor physical addresses

16. Socket address is a combination of

- a) two IP addresses
- b) two port numbers
- c) IP address and the port number
- d) IP address and MAC address

17. Congestion control refers to the mechanisms to keep the load _____

- a) above capacity
- b) below capacity
- c) equal to capacity
- d) nominal

18. SMTP is used in the Internet to provide

- a) electronic mail services
- b) congestion control
- c) Addressing
- d) Error control

19. URL stands for
- universal resource locator
 - united resource locator
 - uniform resource locator
 - unique resource locator
20. HTTP stands for
- Hypertext Transition Protocol
 - Hyperactive Transfer Protocol
 - Hyper Transfer Protocol
 - Hypertext Transfer Protocol
21. An organization is granted a block of classless addresses with the starting address 190.100.0.0/16. How many addresses are granted?
- 65537
 - 65536
 - 65535
 - 65534
22. What is the 1st address of a block of classless addresses if one of the addresses is 17.12.14.29/27?
- 17.12.14.255
 - 17.12.14.256
 - 17.12.14.0
 - 17.12.14.1
23. A block of addresses is granted to a small organization. We know that one of the addresses is 205.16.37.39/28. What is the first address in the block?
- 207.16.37.30
 - 205.16.37.32
 - 210.16.32.16
 - 208.17.16.0
24. _____ is the binary notation for IPv4 address 111.56.45.78
- 01101111 00111000 00101101 01001110
 - 01011010 00101011 00101011 00011010
 - 01010110 00110101 10101100 00101001
 - 01010111 00111000 00101101 01001110
25. ARP is a _____ layer protocol
- Network
 - Transport
 - Datalink
 - Application

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