

Computer Networks

SET-44

By

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1. Which of the following network access standard is used for connecting stations to a circuit-switched network?
 - A. X.3
 - B. X.21
 - C. X.25
 - D. X.75
2. What is the first octet range for a class B IP address?
 - A. 128 - 255
 - B. 1 - 127
 - C. 192 - 223
 - D. 128 - 191
3. Consider different activities related to email.
m1:Send an email from a mail client to mail server
m2:Download an email from mailbox server to a mail client
m3:Checking email in a web browser
Which is the applicable level protocol user in each activity?
 - A. m1:HTTP, m2:SMTP, m3:POP
 - B. m1:SMTP, m2:FTP, m3:HTTP
 - C. m1:SMTP, m2:POP, m3:HTTP
 - D. m1:POP, m2:SMTP, m3:IMAP
4. A computer on a 10Mbps network is regulated by a token bucket. The token bucket is filled at a rate of 2Mbps. It is initially filled to capacity with 16Megabits. What is the maximum duration for which the computer can transmit at the full 10Mbps?
 - A. 1.6 seconds

- B. 2 seconds
 - C. 5 seconds
 - D. 8 seconds
5. In serial data transmission, every byte of data is padded with a '0' in the beginning and one or two '1' s at the end of byte because
- A. Receiver is to be synchronized for byte reception
 - B. Receiver recovers lost '0' and '1's from these padded bits
 - C. Padded bits are useful in parity computation
 - D. None of these
6. What will be the efficiency of a Stop and Wait protocol, if the transmission time for a frame is 20ns and the propagation time is 30ns?
- A. 20%
 - B. 25%
 - C. 40%
 - D. 66%
7. Which of the following is a transport layer protocol?
- A. Stream control transmission protocol
 - B. Internet control message protocol
 - C. Neighbour discovery protocol
 - D. Dynamic host configuration protocol
8. In TDM, slots are further divided into
- A. Seconds
 - B. Frames
 - C. Packets
 - D. Bits

9. Which of the following delay is faced by the packet in travelling from one end system to another?
- A. Propagation delay
 - B. Queuing delay
 - C. Transmission delay
 - D. All of the mentioned
10. IP4 is more commonly used than IPv6?
- A. True
 - B. False
11. TELNET used _____★ protocol for data connection
- A. TCP
 - B. UDP
 - C. IP
 - D. DHCP
12. Dynamic addressing doesn't allow many devices To share limited address space on a network
- A. True
 - B. false
13. ALL IP addresses are divided into a network address and host address?
- A. True
 - B. False
14. The physical layer is concerned with the movement of _____ over the physical medium.
- A. programs
 - B. dialogs
 - C. protocols
 - D. Bits

15. What is the network ID for a computer whose IP address is 190.148.64.23?
- A. 190
 - B. 190.148
 - C. 190.148.64
 - D. None of the above
16. Which of the following TCP/IP protocol is used for transferring electronic mail messages from one machine to another?
- A. FTP
 - B. SNMP
 - C. SMTP
 - D. RPC
17. An endpoint of an inter-process communication flow across a computer network is called
- A. socket
 - B. pipe
 - C. port
 - D. none of the mentioned
18. A modulator converts a _____ signal to a(n) _____ signal.
- A. FSK; PSK
 - B. PSK; FSK
 - C. analog; digital
 - D. digital; analog
19. One of the header fields in an IP datagram is the Time to Live (TTL) field. Which of the following statements best explains the need for this field?
- A. It can be used to prioritize packets
 - B. B delays

- C. It can be used to optimize throughput
D. It can be used to prevent packet looping
20. In a packet switching network, if the message size is 48 bytes and each packet contains a header of 3 bytes. If 24 packets are required to transmit the message, the packet size is _____.
A. 2 bytes
B. 1 bytes
C. 4 bytes
D. 5 bytes
21. _____ can detect burst error of length less than or equal to degree of the polynomial and detects burst errors that affect odd number of bits.
A. Hamming Code
B. CRC
C. VRC
D. None of the above
22. Sending a file from your personal computer's primary memory or disk to another computer is called
A. uploading
B. downloading
C. logging on
D. hangs on
23. What will be the efficiency of a Stop and Wait protocol, if the transmission time for a frame is 20ns and the propagation time is 30ns?
A. 20%
B. 25%
C. 40%

D. 66%

24. If 5 files are transferred from server A to client B in the same session. The number of TCP connection between A and B is:

- A. 5
- B. 10
- C. 2
- D. 6

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ANSWER							
1.	B		11.	A		21.	B
2.	D		12.	B		22.	A
3.	C		13.	A		23.	B
4.	B		14.	D		24.	D
5.	A		15.	B		25.	C
6.	B		16.	C			
7.	A		17.	A			
8.	B		18.	C			
9.	D		19.	D			
10.	A		20.	D			