

Computer Networks

SET-47

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1. Which file transfer protocol uses UDP?
 - A. NFS
 - B. TELNET
 - C. TFTP
 - D. FTP
2. CSMA (Carrier Sense Multiple Access) is
 - A. a method of determining which device has access to the transmission medium at any time
 - B. a method access control technique for multiple-access transmission media.
 - C. a very common bit-oriented data link protocol issued by ISO.
 - D. network access standard for connecting stations to a circuit-switched network
3. What OSI layer handles logical address to logical name resolution?
 - A. Transport
 - B. Physical
 - C. Presentation
 - D. Data Link
4. What is the maximum size of data that the application layer can pass on to the TCP layer below?
 - A. Any size
 - B. 2^{16} bytes-size of TCP header
 - C. 2^{16} bytes
 - D. 1500 bytes

5. Let $G(x)$ be the generator polynomial used for CRC checking. What is the condition that should be satisfied by $G(x)$ to detect odd number of bits in error?
- A. $G(x)$ contains more than two terms
 - B. $G(x)$ does not divide $1+x^k$, for any k not exceeding the frame length
 - C. $1+x$ is a factor of $G(x)$
 - D. $G(x)$ has an odd number of terms.
6. In Ethernet CSMA/CD, the special bit sequence transmitted by media access management to handle collision is called
- A. Preamble
 - B. Postamble
 - C. Jam
 - D. None of the above
7. ICMP is primarily used for
- A. Error and diagnostic functions
 - B. Addressing
 - C. Forwarding
 - D. Routing
8. The state when dedicated signals are idle are called
- A. Death period
 - B. Poison period
 - C. Silent period
 - D. Stop period
9. Propagation delay depends on
- A. Packet length
 - B. Transmission rate
 - C. Distance between the routers

D. Speed of the CPU

10. Transport layer of OSI model lies between Network and _____ layer?

- A. Application
- B. Data link
- C. Session
- D. Presentation

11. A stream socket provides _____ communications between a client and a server

- A. One way
- B. Two way

12. Piconets in the blue tooth a minimum of two and a maximum of _____ Bluetooth peer devices.

- A. five
- B. eight
- C. nine
- D. four

13. _____ is added to data packet for error detection.

- A. checksum bit
- B. error bit
- C. parity bit

14. A packet whose destination is outside the local TCP/IP network segment is sent to the ____ .

- A. File server
- B. Default gateway
- C. DNS server
- D. DHCP server

15. Which routing protocol below is used by exterior routers between the autonomous systems?

- A. RIP
- B. IGRP
- C. OSPF
- D. BGP

16. Your company has a LAN in its downtown office and has now set up a LAN in the manufacturing plant in the suburbs. To enable everyone to share data and resources between the two LANs, what type of device(s) are needed to connect them? Choose the most correct answer.

- A. Modem
- B. Cable
- C. Hub
- D. Router

17. A subset of a network that includes all the routers but contains no loops is called:

- A. spanning tree
- B. spider structure
- C. spider tree
- D. none of the mentioned

18. In CRC there is no error if the remainder at the receiver is ____.

- A. equal to the remainder at the sender
- B. zero
- C. nonzero
- D. the quotient at the sender

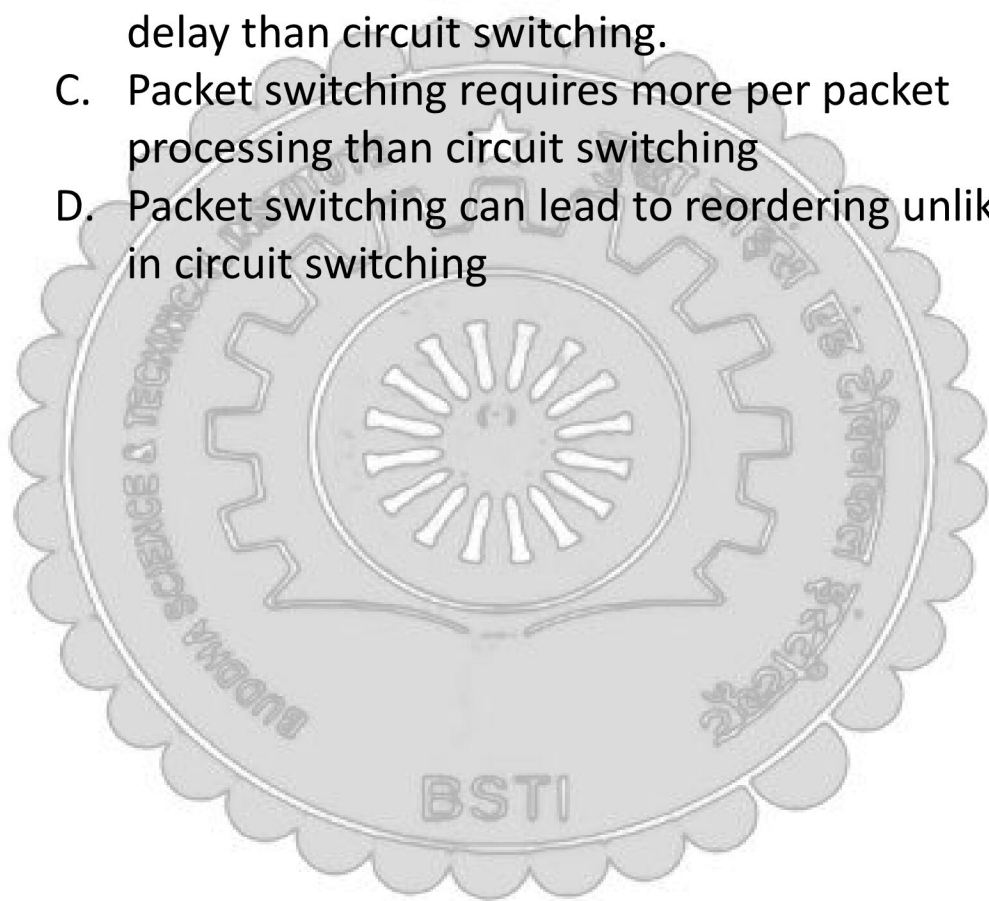
19. The 802.5 standard implements a way for preventing collisions on the network. How are collisions prevented when using this standard?

- A. CSMA/CD

- A. Token passing
- B. Collision detection
- C. Time sharing

20. Which one of the following statements is FALSE?

- A. Packet switching leads to better utilization of bandwidth resources than circuit switching.
- B. Packet switching results in less variation in delay than circuit switching.
- C. Packet switching requires more per packet processing than circuit switching
- D. Packet switching can lead to reordering unlike in circuit switching



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