

**PAID VU LMS HANDLING by Mam Mehwish**

**03184148783**

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1. In \_\_\_\_\_, each station sends a frame whenever it has a frame to send.

Options:

- a) Slotted ALOHA
- b) Pure ALOHA
- c) None of the given
- d) Fragmented ALOHA

Correct Option: b) Pure ALOHA

2. In circuit switching, when two end devices "A" and "B" connect with each other, they send \_\_\_\_\_ request.

Options:

- a) Setup
- b) Acceptance
- c) Inquiry
- d) Switching

Correct Option: a) Setup

3. Which one of the following is not among the required phases for actual communication in a circuit-switched network?

Options:

- a) Data transfer
- b) Protocol Setup
- c) Connection teardown

Correct Option: a) Data transfer

4. Which Ethernet standard uses Unshielded Twisted Pair (UTP) cables using Manchester encoding?

Options:

- a) 10Base-T
- b) 10Base-T
- c) 10Base-F
- d) 10Base2

Correct Option: a) 10Base-T

5. In which controlled-access method all data exchanges must be made through the primary device even when the ultimate destination is a secondary device?

Options:

- a) Polling
- b) Reservation
- c) Port Forwarding
- d) Token Passing

Correct Option: a) Polling

6. In the virtual circuit approach, when a frame enters a switch and when it leaves a switch, its VCI \_\_\_\_\_.

Options:

- a) Always Changes
- b) Sometimes Changes
- c) Sometimes Changes
- d) Sometimes Changes

Correct Option: a) Always Changes

7. \_\_\_\_\_ is an Authentication Protocol, which is used by the PPP to authenticate passwords.

Options:

- a) LCP
- b) CHAP
- c) ICMP
- d) PAP

Correct Option: d) PAP

8. If the Hamming distance between the sent and received code word is \_\_\_\_\_, then it shows that the received data is corrupted.

Options:

- a) = 1
- b)  $\neq 0$
- c)  $\neq 1$
- d) = 0

Correct Option: b)  $\neq 0$

9. Packet Switching operates on \_\_\_\_\_ layer.

Options:

- a) Data link layer
- b) Physical layer
- c) Network layer
- d) Application layer

Correct Option: c) Network layer

10. \_\_\_\_\_ are used to exchange session management and control information between connected devices.

Options:

- a) N-frames
- b) U-frames
- c) S-frames

d) I-frames

Correct Option: c) S-frames

1. In optical fiber, a glass or plastic core is surrounded by a \_\_\_\_\_.

- Options:

a) Cladding

b) Outer conductor shield

c) Inner Conductor shield

d) Insulator

- Correct Option: a) Cladding

2. What is the primary benefit of employing full-duplex communication in a switched Ethernet network?

- Options:

a) Reduced bandwidth allocation

b) Limited connectivity between devices

c) Decreased network efficiency

d) Enhanced data throughput

- Correct Option: d) Enhanced data throughput

3. In case of higher data rate, the number of impacted bits will be \_\_\_\_\_.

- Options:

a) Lower

b) Zero

c) Higher

d) Normal

- Correct Option: a) Lower

4. Checksum is an error-detection technique that can be applied to a message of \_\_\_\_\_ length.

- Options:

- a) Exactly 32
- b) Exactly 8
- c) Exactly 4
- d) Any

- Correct Option: a) Exactly 32

5. What does the Reservation-Frame follow in the reservation method?

- Options:

- a) Data frames from all stations
- b) Data frames from stations that made reservations
- c) An acknowledgment frame
- d) IP packet

- Correct Option: b) Data frames from stations that made reservations

6. Which of the following is the advantage of using Bridge in Ethernet Networks?

- Options:

- a) Separating Collision domains
- b) Implementing token ring
- c) Aggregating CSMA/CA
- d) Increasing the number of stations per network

- Correct Option: a) Separating Collision domains

7. Error correction is more \_\_\_\_\_ than error detection.

- Options:

- a) Informal
- b) Useless
- c) Difficult
- d) Easy

- Correct Option: c) Difficult

8. \_\_\_\_\_ is the scope of VCI variable in the virtual circuit approach.

- Options:

- a) Private
- b) Variable
- c) Local
- d) Global

- Correct Option: c) Local

9. The \_\_\_\_\_ method has the highest chance of collision because two or more stations may find the line idle and send their frames immediately.

- Options:

- a) Non-persistent
- b) All of the given
- c) 1-persistent method
- d) p-Persistent

- Correct Option: c) 1-persistent method

10. In \_\_\_\_\_, collisions are avoided by deferring transmission even if the channel is idle.

- Options:

- a) The Slotted Frame
- b) The Deployment Frame
- c) The Interframe Space
- d) The Contention Window

- Correct Option: c) The Interframe Space

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