Quiz on Feb 14

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1. Which of the following is true of CSMA protocols? Select all that apply.

Marks: 1
Type: MULTIPLE_CHOICE

Options:

0) If a node has a frame to send, it just sends

1) 1-persistent protocol is worse than pure aloha

2) 802.15.4 (zigbee) uses non-persistent CSMA

3) In p-persistent, if channel is idle, you wait a random amount of time and try again

Answer: [[2]]

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2. Which of the following is true of CSMA protocols? Select all that apply.

Marks: 1
Type: MULTIPLE_CHOICE

Options:

0) In non-persistent, if channel busy, you wait a random amount of time and try again

1) In p-persistent, if channel is busy, you wait till idle

2) non-persistent assumes a slotted system

3) Ethernet uses non-persistent CSMA

Answer: [[0, 1]]

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3. Which of the following is true of CSMA/CD? Select all that apply.

Marks: 1
Type: MULTIPLE_CHOICE

Options:

0) CD helps reduce wastage of resources

1) Propagation delay has no effect on efficiency

2) Worst case delay for detecting collisions is 1RTT

3) Minimum frame size in ethernet is 16 bytes

Answer: [[0, 2]]

4. Which of the following is true of CSMA/CD? Select all that apply.

<div align="right">Marks: 1
Type: MULTIPLE_CHOICE</div>

Options:

0)
Exponential backoff ensures adaptation to current load

1)
Bit time is 512 so as to ensure fairness among the nodes

2)
Longer the propagation delay, lower chances of collision

3)
Efficiency is a function of only transmisison time

Answer: [[0]]

5. which if the following is true of WiFi technology? Select all that apply.

<div align="right">Marks: 1
Type: MULTIPLE_CHOICE</div>

Options:

0)
PCF is polling based

1)
In independent mode, stations communicate with each other directly

2)
Active scanning relies on beacons

3)
Data frames carry SSID information

Answer: [[0, 1]]

6. which if the following is true of WiFi technology? Select all that apply.

<div align="right">Marks: 1
Type: MULTIPLE_CHOICE</div>

Options:

0)
A client can associate with only one AP

1)
Data transfer can begin right after authentication

2)
ACK is a management frame

3)
The purpose of scanning is to select the "best" AP

Answer: [[0, 3]]