

Quiz on Feb 11

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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) In 1-persistent CSMA, if channel is idle, you backoff for some time
- 1) Ethernet employs 1-persistent protocol
- 2) 1-persistent protocol is worse than slotted aloha
- 3) In non-persistent, if channel busy, you wait a random amount of time and try again

Answer: [[1, 3]]

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

Marks: 1

Type: MULTIPLE_CHOICE

Options:

- 0) Non-persistent protocols suffers from longer delays
- 1) In p-persistent if channel is idle, you transmit with prob p
- 2) non-persistent assumes a slotted system
- 3) Wi-Fi uses a non-persistent CSMA

Answer: [[0, 1]]

3. Which among the following performs best at high loads?

Marks: 1

Type: SINGLE_CORRECT_ANSWER

Options:

- 0) slotted aloha
- 1) 1-p
- 2) 0.5-p
- 3) non-p

Answer: [3]

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

Marks: 1

Type: MULTIPLE_CHOICE

Options:

- 0) Worst case delay for detecting collisions is 2RTT
- 1) As propagation approaches 0, efficiency approaches 0
- 2) Minimum frame size in ethernet is 64 bytes
- 3) Exponential backoff ensures fairness among nodes

Answer: [[2]]

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

Marks: 1

Type: MULTIPLE_CHOICE

Options:

- 0) In infrastructure mode, stations communicate with each other directly
- 1) DCF is polling based
- 2) Beacons carry SSID information
- 3) Passive scanning employs probe request and response

Answer: [[2]]

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

Marks: 1

Type: MULTIPLE_CHOICE

Options:

- 0) Active scanning results in faster association than passive scanning
- 1) A client can authenticate with only one AP
- 2) Beacon frames are carried in control frames
- 3) Bits in frame control field indicate the type of frame

Answer: [[0, 3]]
