Quiz on Feb18

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1. Which of the following is true of WiFi MAC? Select all that apply.

Marks: 1
Type: MULTIPLE_CHOICE

Options:

0) Based on CSMA/CD

1) The protocol guarantees no collision

2) Backoff counter decremented even when channel busy

3) CW window is doubled after every collision

Answer: [[3]]

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2. SIFA should be _____ DIFS

Marks: 1
Type: SINGLE_CORRECT_ANSWER

Options:

0) <=

1) <

2) >

3) >=

Answer: [1]

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

Marks: 1
Type: MULTIPLE_CHOICE

Options:

0) SIFS < DIFS

1) PIFS > DIFS

2) Slot time < 2 * propagation-delay

3) Slot time > propagation-delay

Answer: [[0, 3]]

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4. Which among the following is true of RTS/CTS? Select all that apply.

Marks: 1
Type: MULTIPLE_CHOICE

Options:

0) NAV duration indicates channel is idle for this time

1) Gap between RTS and CTS is DIFS

2) Gap between CTS and Data is SIFS

3) RTS/CTS should always be used for better efficiency

Answer: [[2]]

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5. Which among the following is true of switching? Select all that apply

Marks: 1
Type: MULTIPLE_CHOICE

Options:

0) Provides a bus topology

1) In circuit switching, frames carry information on route to take

2) Circuit switching wastes resources

3) Packet switching does not buffer packets

Answer: [[2]]

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6. Which among the following is true of packet switching? Select all that apply

Marks: 1
Type: MULTIPLE_CHOICE

Options:

0) In datagram switching, packets carry destination address

1) In source routing, a small tag is carried in the packets

2) Packets can get delivered out of order in datagram delivery

3) Current Internet employs source routing predominently

Answer: [[2, 0]]

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7. Which among the following is true of packet switching? Select all that apply

Marks: 1
Type: MULTIPLE_CHOICE

Options:

0) Datagram switching provides guaranteed packet delivery

1) In Virtual circuit switching, a connection needs to be setup before sending data

2) in Source routing , headers are of variable length

3) VCI field is much smaller than a destination address

Answer: [[3, 2, 1]]

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8. Which among the following is true of Ethernet switching? Select all that apply

Marks: 1

Type: MULTIPLE_CHOICE

Options:

0) Learning bridges learn based on destination address

1) Learning bridges purge forwarding table entries after some time

2) Learning process is an optimization

3) Considerable configuration is needed to set up learning bridges

Answer: [[1, 2]]

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9. Which of the following is true of spanning tree protocol? Select all that apply

Marks: 1
Type: MULTIPLE_CHOICE

Options:

0) At the beginning, each node thinks itself as root

1) The root bridge is randomly chosen

2) A port that is not a root or designated port can forward frames

3) The configuration message contains only the bridge's id and its distance to root

Answer: [[0]]

10.

In STP, at a bridge, a new configuration is better than stored, when? Select all that apply

Marks: 1
Type: MULTIPLE_CHOICE

Options:

0) The bridge identifies a smaller root id

1)
    Same root id, but longer distance to the root

2) Same root id and distance, but smaller sending root id

3)
    The stored is always better, ignore new

Answer: [[0, 2]]