

Started on Friday, 4 March 2022, 2:12 PM
State Finished
Completed on Friday, 4 March 2022, 2:20 PM
Time taken 7 mins 55 secs
Marks 4.67/8.00
Grade 1.67 out of 2.86 (58.33%)

Question 1

Correct

Mark 1.00 out of 1.00

Select all true statements about Bit error rate (BER).

- ☒ a. Smaller BER results in better throughput ✓
- ☒ b. Bigger SNR results in smaller BER ✓
- ☐ c. Bigger BER results in better throughput
- ☐ d. Bigger SNR results in bigger BER

Your answer is correct.

The correct answers are:

Bigger SNR results in smaller BER,

Smaller BER results in better throughput

Question 2

Correct

Mark 1.00 out of 1.00

Select all True statements about Signal to Noise Ratio (SNR). Choose all that apply.

- ☒ a. SNR may change with mobility ✓
- ☒ b. Bigger SNR is better for receiver ✓
- ☐ c. SNR doesn't with mobility
- ☐ d. Smaller SNR is better for receiver

Your answer is correct.

The correct answers are:

Bigger SNR is better for receiver,

SNR may change with mobility

Question 3

Correct

Mark 1.00 out of 1.00

Which mechanism is used in 802.11 LAN to avoid the collisions between data frames?

- ☒ a. RTS/CTS ✓
- ☐ b. Passive scanning
- ☐ c. Active scanning
- ☐ d. Beacon frames

Your answer is correct.

The correct answer is:

RTS/CTS

Question 4

Incorrect

Mark 0.00 out of 1.00

What is a **care-of-address**?

- ☒ a. mobile station's IP address in home network ✗
- ☐ b. mobile station's IP address in visited network

Your answer is incorrect.

address in visited network

The correct answer is:

mobile station's IP address in visited network

Question 5

Incorrect

Mark 0.00 out of 1.00

Which protocol is used for multiple access in 802.11 LAN?

- ☒ a. TDMA ✗
- ☐ b. CSMA/CD
- ☐ c. CSMA/CA
- ☐ d. CSMA

Your answer is incorrect.

CSMA/CA

The correct answer is:

CSMA/CA

Question 6

Correct

Mark 1.00 out of 1.00

In infrastructure mode of 802.11 LAN, how can the stations discover the available access points (APs) to associate with? Choose all that apply.

- ☒ a. By broadcasting probe request frames ✓
- ☐ b. By using DHCP protocol
- ☒ c. By listening to beacon frames ✓
- ☐ d. By using ARP protocol

Your answer is correct.

The correct answers are:

By listening to beacon frames,

By broadcasting probe request frames

Question 7

Incorrect

Mark 0.00 out of 1.00

Select the true statement about sampling frequency?

- ☒ a. It should be at least two times smaller than the maximum frequency of analog signal ✗
- ☐ b. It should be the same as the maximum frequency of analog signal
- ☐ c. It should be at least two times bigger than the maximum frequency of analog signal

Your answer is incorrect.

The correct answer is:

It should be at least two times bigger than the maximum frequency of analog signal

Question 8

Partially correct

Mark 0.67 out of 1.00

What are some major differences of wireless link from wired link? Choose all that apply.

- ☐ a. Multipath propagation
- ☐ b. Absence of interference from other sources
- ☐ c. Increased signal strength
- ☒ d. Decreased signal strength ✓
- ☒ e. Interference from other sources ✓

Your answer is partially correct.

You have correctly selected 2.

- Decreased signal strength
- Interference from other sources
- Multipath propagation

The correct answers are:

Decreased signal strength,

Interference from other sources,

Multipath propagation