

Question 1

Not yet answered

Marked out of 3

Flag question

Match the following terms

Sky wave propagation is.....

the travel of signal between ionosphere and earth's surface

Isotropic antenna.....

radiates power equally in all directions

Half-power beam width is.....

the angle within which the power radiated by the antenna is at least half of what it is in the most preferred direction

Question 2

Not yet answered

Marked out of 2

Flag question

Complete the following terminologies

bending of microwaves by the atmosphere Refraction

Half-wave dipole antenna Hertz antenna

Marconi antenna

Question 1  
Answer saved  
Marked out of 1  
Flag question

Internet works on \_\_\_\_\_

- ☐ a. data switching
- ☐ b. circuit switching
- ☐ c. both packet switching and circuit switching
- ☒ d. packet switching

[Clear my choice](#)

Question 10

Answer saved

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Flag question

Match the following Propagations with their corresponding applications?

TV Satellite Distribution	Line-of- Sight Propagation
Amateur radio and CB radio	Sky Wave Propagation
AM Radio	Ground Wave Propagation

Question 11

Answer saved

Marked out of 1

Flag question

The maximum distance between two antennas for LOS propagation depends on ----

- ☐ a. height of antenna two
- ☒ b. height of antenna one and antenna two
- ☐ c. non of the mentioned
- ☐ d. height of antenna one

[Clear my choice](#)

Question 12

Answer saved

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Flag question

The power Gain of Isotropic antenna = 1

Select one:

☒ True

☐ False

Question 13  
Answer saved  
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Flag question

One of the FHSS Performance Considerations is -----

- ☐ a. small number of frequencies used
- ☒ b. large number of frequencies are used
- ☐ c. all the mentioned
- ☐ d. representing each bit by multiple bits

[Clear my choice](#)

Question 14

Answer saved

Marked out of 2

Flag question

Analog wave can be represented by which of the following three parameters

Select one:

- ☒ a. Amplitude, Frequency, Period
- ☐ b. Amplitude, Frequency, Phase shift
- ☐ c. Period, Frequency, Phase shift
- ☐ d. Amplitude, Bandwidth, Phase shift

[Clear my choice](#)

Question 15

Answer saved

Marked out of 1

Flag question

That factors that are affecting successful interpreting of signals -----

- ☒ a. all the mentioned
- ☐ b. Bandwidth
- ☐ c. Signal-to-noise ratio (SNR)
- ☐ d. Data rate

[Clear my choice](#)



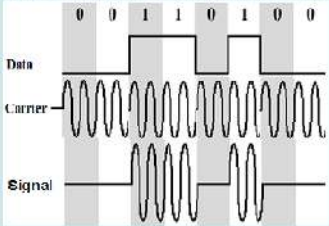
Question 2

Not yet answered

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Remove flag

Frequency-shift keying (FSK) modulation can be used in the following diagram



Select one:

☐ True

☒ False

Question 3  
Answer saved  
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Flag question

Calculate channel capacity using Shannon's law, assuming an old landline telephone communication system with a bandwidth of frequencies (3,400 to 300) Hz . The telephone system is generally assumed that to require a SNR of at least 3162 to operate without unacceptable bit errors..

↵

A ▾

B

*I*

$$B = 3400 - 300 = 3100$$
$$C = B \log_2 (1 + \text{SNR})$$
$$C = 3100 \log_2 (1 + 3162)$$
$$C = 36043.94 \sim 36044$$

Question 4  
Answer saved  
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1  
Flag  
question

An example on Ground Wave Propagation is -----

- ☒ a. AM radio
- ☐ b. CB radio
- ☐ c. Amateur radio
- ☐ d. all the mentioned

[Clear my choice](#)

Question **5**  
Answer saved  
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1  
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question

Binary Frequency-Shift Keying (BFSK) can be used at higher frequencies on LANs that use coaxial cable

Select one:

- ☒ True  
☐ False

Question 6

Answer saved

Marked out of 1

Flag question

The main contingencies in Go-back-N ARQ are -----

- ☐ a. Damaged PDU
- ☒ b. all the mentioned
- ☐ c. Damaged REJ
- ☐ d. Damaged RR

[Clear my choice](#)

Question 7

Answer saved

Marked out of 1

Flag question

The simplest technique for converting analog data to digital signals is -----

- ☒ a. PCM
- ☐ b. AM
- ☐ c. PM
- ☐ d. FM

[Clear my choice](#)

Question 8  
Answer saved  
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1  
Flag  
question

The following is correct formula to calculate the Maximum distance between two antennas for LOS propagation

$$3.57 \left( \sqrt{h_1} + \sqrt{h_2} \right)$$

Select one:

- ☐ True  
☒ False

Question 9

Answer saved

Marked out of 2

Flag question

Which of the following Spread Spectrum techniques the transmitter switches among several available frequencies staying on each frequency for a specified interval of time.

Select one:

- ☐ a. CDMA
- ☒ b. FHSS
- ☐ c. DSSS

[Clear my choice](#)