## Computer Networks (Mid term Exam)

Your email will be recorded when you submit this form.

Not bcsf18m027@pucit.edu.pk? Switch account

\* Required

Computer Networks (Mid term Exam)
What is the bandwidth of a signal that ranges from 1 MHz to 4 MHz? *
1 KHz
3 MHz
○ 4 MHz
one of the above
A periodic signal completes one cycle in 0.001 s. What is the frequency? *
O 1 Hz
● 1 KHz
O 100 Hz
1 MHz

When propagation speed is multiplied by propagation time, we get the *
wavelength of the signal
o distance a signal or bit has traveled
distortion factor
throughput
How many carrier frequencies are used in BFSK? *
O 2
1
O 0
one of the above
The word refers to the portion of a that carries a transmission. *
O line; channel
link; channel
O line; link
Channel; link

A sine wave is not useful in data communications; we need to send a signal. *
single-frequency; composite
one of the above
single-frequency; double-frequency
omposite; single-frequency This is the correct answer.
The constellation diagram of 16-QAM has dots. *
O 4
O 8
16
onone of the above
A sine wave in the domain can be represented by one single spike in the domain. *
O phase; time
time; frequency
time; phase
frequency; time

Which multiplexing technique transmits analog signals? *
○ WDM
○ TDM
○ FDM
(a) and (c)
How many carrier frequencies are used in BPSK? *
O 0
1
O 2
onone of the above
In TDM, the transmission rate of the multiplexed path is usually the sum of the transmission rates of the signal sources. *
O less than
greater than
onot related to
equal to

In a	multiplexed system, lines share the bandwidth of link. *
•	n; 1
0	1; n
0	1; 1
0	n; n
lf th	ne baud rate for a 64-QAM signal is 2000, what is the bit rate? *
0	400
<ul><li>300</li><li>12000</li></ul>	300
	12000
0	1000
	is an analog multiplexing technique to combine optical signals. *
<b>()</b>	WDM
0	FDM
0	TDM
0	None of the above
In G	QAM, both of a carrier frequency are varied. *
0	phase and frequency
<ul><li>•</li></ul>	amplitude and phase
<ul><li>O</li><li>O</li><li>O</li></ul>	

AM and FM are examples of conversion. *
analog-to-analog
O digital-to-digital
analog-to-digital
O digital-to-analog
conversion is the representation of analog information by an analog signal. *
Analog-to-analog
Analog-to-digital
O Digital-to-analog
O Digital-to-digital
Given two sine waves A and B, if the frequency of A is twice that of B, then the period of B is that of A. *
O one-half
indeterminate from
• twice
the same as

can impair a signal. *
Attenuation
All of the above
Distortion
Noise
In TDM, slots are dynamically allocated to improve bandwidth efficiency.
isochronous
synchronous
statistical
onone of the above
If the bit rate for an FSK signal is 1200 bps, the baud rate is *
1200
O 400
O 300
O 600

In transmission, the carrier signal is modulated so that its amplitude varies with the changing amplitudes of the modulating signal. *
O PM
○ FM
AM
one of the above
In, the peak amplitude of one signal level is 0; the other is the same as the amplitude of the carrier frequency.
● 00K
O PSK
○ FSK
one of the above
How many carrier frequencies are used in BASK? *
O 0
1
O 2
one of the above

How many carrier frequencies are used in QPSK? *
O 0
2
O 1
none of the above
is a type of transmission impairment in which an outside source such as crosstalk corrupts a signal. *
Frequency
Amplitude
Phase
Voltage
is the rate of change with respect to time. *
☐ Time
○ Voltage
Frequency
Amplitude

Quadrature amplitude modulation (QAM) is a combination of *
O PSK and FSK
ASK and FSK
ASK and PSK
onone of the above
The constellation diagram of QPSK has dots.
O 4
O 2
O 1
o none of the above
If the maximum amplitude of a sine wave is 2 V, the minimum amplitude is V. *  1 between -2 and 2 2 -2

The constellation diagram of BPSK has dots. *
O 0
O 1
<b>○</b> 2
onone of the above
If the bit rate for an ASK signal is 1200 bps, the baud rate is *
O 400
1200
O 300
O 600
can be applied when the bandwidth of a link (in hertz) is greater than the combined bandwidths of the signals to be transmitted. *
○ TDM
● FDM
O Both (a) or (b)
Neither (a) or (b)

!

Baseband transmission of a digital signal is possible only if we have a channel. *
O low rate
O bandpass
O low-pass
high rate
If the baud rate is 400 for a QPSK signal, the bit rate is bps. *
O 1600
O 100
O 400
800
Data can be *
O digital
analog
(a) or (b)
onone of the above

ASK, PSK, FSK, and QAM are examples of conversion. *
o digital-to-analog
O digital-to-digital
analog-to-digital
Analog-to-analog
A constellation diagram shows us the of a signal element, particularly when we are using two carriers (one in-phase and one quadrature). *
amplitude and frequency
amplitude and phase
frequency and phase
one of the above
can be achieved by using multiplexing; can be achieved by using spreading. *
Efficiency; privacy and antijamming
Privacy and efficiency; antijamming
Privacy and antijamming; efficiency
Efficiency and antijamming; privacy

For a channel, the Nyquist bit rate formula defines the theoretical maximum bit rate. *
Noiseless
O bandpass
noisy
O low-pass
In, the amplitude of the carrier signal is varied to create signal elements.
Both frequency and phase remain constant *
ASK
○ FSK
O QAM
O PSK
Before data can be transmitted, they must be transformed to *
o periodic signals
electromagnetic signals
O low-frequency sine waves
o aperiodic signals

In synchronous TDM, for n signal sources of the same data rate, each frame contains slots. *
O n – 1
O to n
n
O n + 1
Analog-to-analog conversion is needed if the available bandwidth is *
band-pass
O low-pass
either (a) or (b)
neither (a) nor (b)
The product defines the number of bits that can fill the link. *
frequency-amplitude
bandwidth-delay
O delay-amplitude
O bandwidth-period

conversion is the process of changing one of the characteristics of an analog signal based on the information in the digital data. *
Analog-to-analog
O Digital-to-digital
Digital-to-analog
Analog-to-digital
If the available channel is a channel, we cannot send a digital signal directly to the channel. *
bandpass
O low-pass
O low rate
high rate
A(n) signal is a composite analog signal with an infinite bandwidth. *
either (a) or (b)
analog
neither (a) nor (b)
o digital

The of a composite signal is the difference between the highest and the lowest frequencies contained in that signal. *
o amplitude
frequency
bandwidth
period
describes the position of the waveform relative to time 0. *
Amplitude
Voltage
Frequency
Phase
In a time-domain plot, the horizontal axis is a measure of*
frequency
Signal amplitude
• time
O phase

Given an AM radio signal with a bandwidth of 10 KHz and the highest-frequency component at 705 KHz, what is the frequency of the carrier signal? *
710 KHz
705 KHz
● 700 KHz
Cannot be determined from given information
In, the phase of the carrier is varied to represent two or more different signal elements. Both peak amplitude and frequency remain constant. *
QAM
● PSK
○ FSK
○ ASK
is a type of transmission impairment in which the signal loses strength due to the different propagation speeds of each frequency that makes up the signal. *
Attenuation
O Decibel
Distortion
Noise

A signal is measured at two different points. The power is P1 at the first point and P2 at the second point. The dB is 0. This means *
P2 equals P1
P2 is zero
P2 is much smaller than P1
P2 is much larger than P1
If the bit rate for a 16-QAM signal is 4000 bps, what is the baud rate?
O 300
O 400
<ul><li>1000</li></ul>
O 1200
Which of the following is not an analog-to-analog conversion? *
QAM
○ FM
○ PM
○ AM

H

Which of the following is not a digital-to-analog conversion? *
O PSK
○ ASK
○ FSK
AM
If the bandwidth of a signal is 5 KHz and the lowest frequency is 52 KHz, what is the highest frequency? *
○ 47 KHz
○ 10 KHz
○ 5 KHz
data have discrete states and take discrete values. *
Analog
Digital
(a) or (b)
None of the above
Page 2 of 2
Back
Never submit passwords through Google Forms.
This form was created inside of PUCIT, University of the Punjab, Lahore. Report Abuse

https://docs.google.com/forms/d/e/1FAlpQLSfOrcUPsPW8XmgLOEV7YpjvLrl47qy5p34ykdmXtXmJLz2FUw/formResponse

Google Forms