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Exam: MST-1_FEB-2021_CS3CO28_Data Communication

Data Communication (T) 38/40

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Suppose a signal travels through a transmission medium and its power is reduced to one-half. This means that P2 is (1/2)P1. In this case, the attenuation (loss of power) can be calculated as

A.	3dB	You Selected
⊘ B.	-3dB	
C.	10dB	
D.	-10dB	

2. OCCUPATION OF CONTROL OF CONTR

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Which one of the following is not a process of data communication

A.	Multiplexing
B.	Modulation
⊘ C.	amplification ② You Selected
D.	compression

3. OCCUPATION OF CONTROL OF CONTR

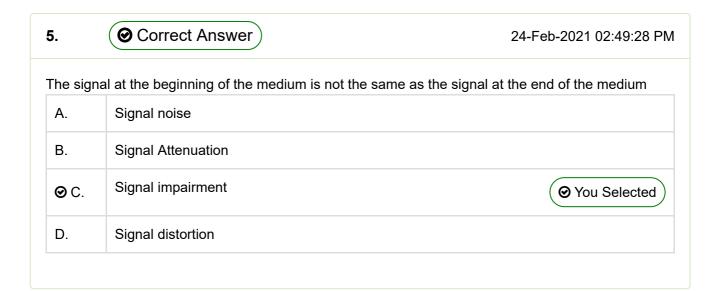
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If the maximum value of a simple sine wave is 10 volts, the voltage values

it the max	timum value of a simple sine wave is 10 volts, the voltage values
A.	are either 10 or -10
B.	range from 0 to 10, inclusive
⊘ C.	range from -10 to 10, inclusive

D. are integer values from -10 to 10

4. ② Correct Answer 24-Feb-2021 03:00:42 PM The minimum bandwidth of Manchester and differential Manchester is ______ that of NRZ. A. the same as ② B. twice ② You Selected D. none of these



5.	⊘ Correct Answer	24-Feb-2021 03:06:00 PM
Vhich m	nultiplexing technique involves signals composed o	f light beams?
⊘ A.	WDM	⊘ You Selected
B.	TDM	
C.	FDM	
D.	None of these	

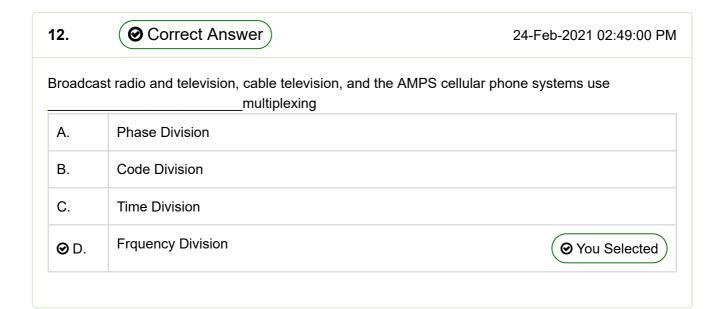
74.	ay-amplitude Juency-amplitude		
B. freq	uency-amplitude		
⊘ C. ban	dwidth-delay		⊘ You Selected
D. ban	dwidth-period		

8.	⊘ Correct Answer	24-Feb-2021 03:07:16 PM
_	Il is sampled at regular intervals at a rate higher than y, the samples contain all the information of the original signal	the highest signal
A.	less than	
B.	thrice	
⊘ C.	Twice	⊘ You Selected
D.	Same	



10.	⊘ Correct Answer	24-Feb-2021 02:48:58 PM
	ng the levels of a signalof the	the probability of an error occurring, in other system
A.	decreases, reliablity	

B.	increases, accuracy	
⊘ C.	increases, reliability	⊘ You Selected
D.	decreases, accuracy	





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D. None of the above

AM signal have all information in _____ of the carrier.

Amplitude

B. Magnitude

C. Frequency

D. Power

16.
② Correct Answer

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The advantages of using a CDMA technique over other spread spectrum techniques are

A.
Increased capacity

B.
Easier handoff

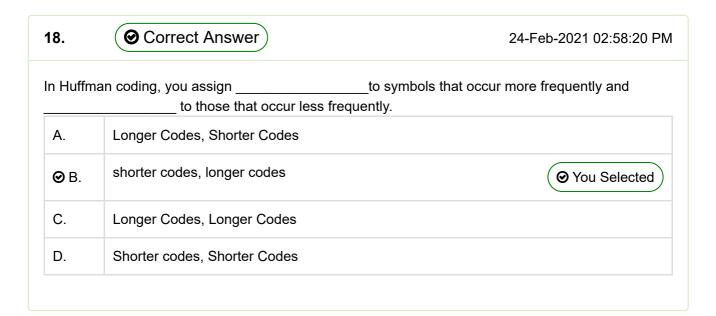
C.
Better measure of security

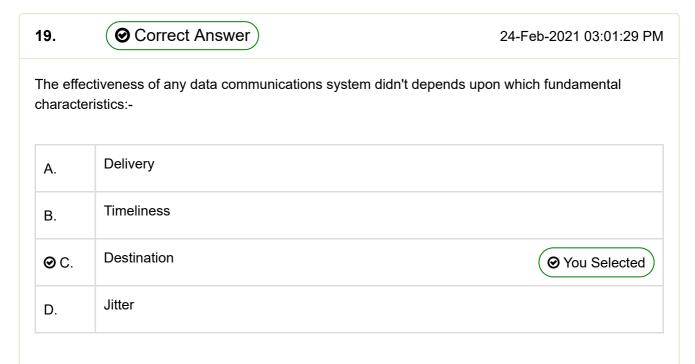
☑ D.
All are correct

☑ You Selected

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Which en	coding uses positive, negative and zero levels?	
A.	Polar	
B.	Unipolar	
⊘ C.	Bipolar	⊘ You Selected
D.	Multilevel	





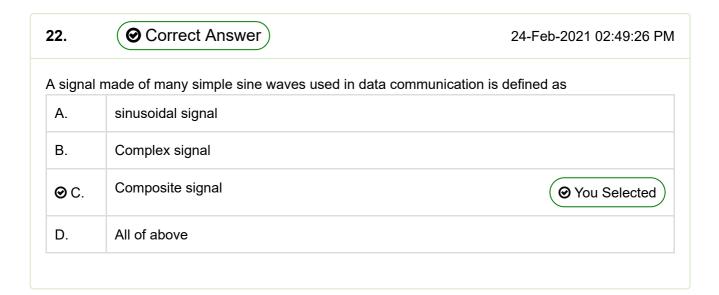
20. Orrect Answer 24-Feb-2021 02:48:57 PM

Why spread spectrum technique is inefficient for a single user?

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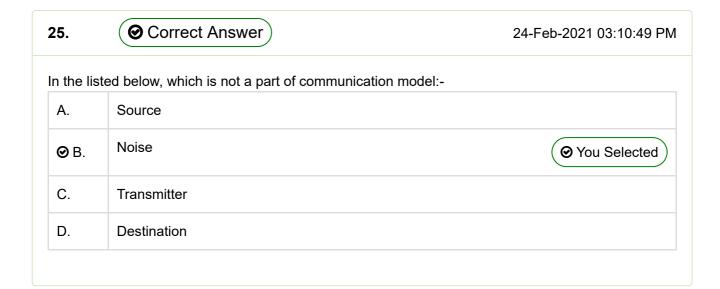
⊘ A.	Large transmission bandwidth	⊘ You Selected
B.	Small transmission bandwidth	
C.	Fixed transmission bandwidth	
D.	Fixed null bandwidth	

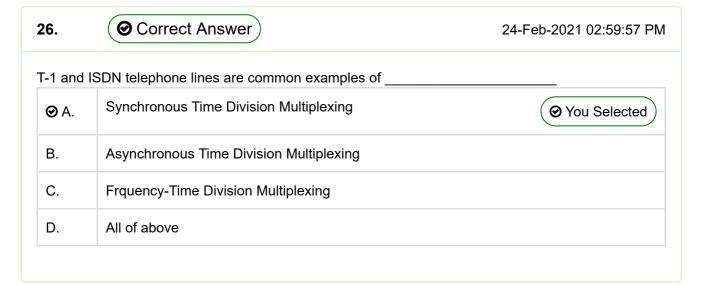
ersion?
⊘ You Selected



23.	⊘ Correct Answer	24-Feb-2021 02:48:56 PM
Data rate	doesnot depends on which factors:	
A.	The bandwidth available	
B.	The level of the signals we use	
C.	The quality of the channel (the level of noise)	
⊘ D.	The material of the channel	⊘ You Selected

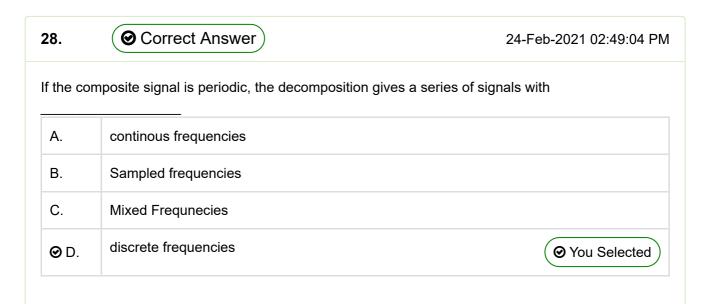
© Correct Answer	24-Feb-2021 02:59:13 PM
nedia uses patterns of microwaves to represent bits?	
copper	
wireless	⊘ You Selected
fiber-optic	
plastic	
	edia uses patterns of microwaves to represent bits? copper wireless fiber-optic

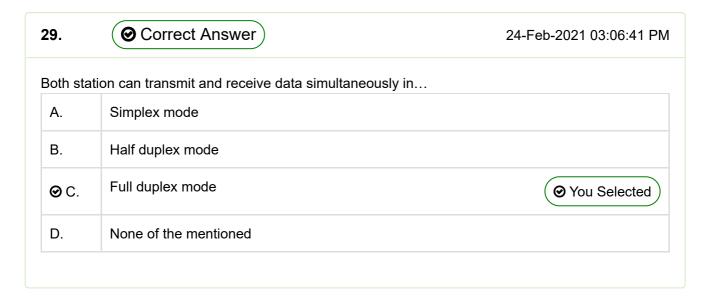




27.	⊘ Correct Answer	24-Feb-2021 03:03:35 PM
	is a digital process that allows several connections to share th	e high bandwidth of a link.

A.	WDM	
B.	FDM	
C.	TDM	
⊘ D.	All of above	





30.	⊘ Correct Answer	24-Feb-2021 02:49:25 PM
The integ	grity of the data is preserved in	
⊘ A.	Lossless Data Compression	⊘ You Selected
B.	Lossy Data Compression	
C.	both a and b	

D. None of A and B

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31.	⊘ Correct Answer	24-Feb-2021 03:01:00 PM
Vhich w	aveforms are also called as line codes?	
⊘ A.	PCM	⊘ You Selected
B.	PAM	
C.	AM	
D.	FM	

32.	⊘ Correct Answer	24-Feb-2021 02:48:59 PM
ln data c	ommunication a data may be	
A.	Analog	
B.	Digital	
⊘ C.	Both a and b	⊘ You Selected
D.	None of the above	

33.	⊘ Correct Answer	24-Feb-2021 02:49:27 PM
QAM is d	combination of	
A.	ASK and FSK	
⊘ B.	ASK and PSK	⊘ You Selected
C.	PSK and FSK	
D.	None of the above	

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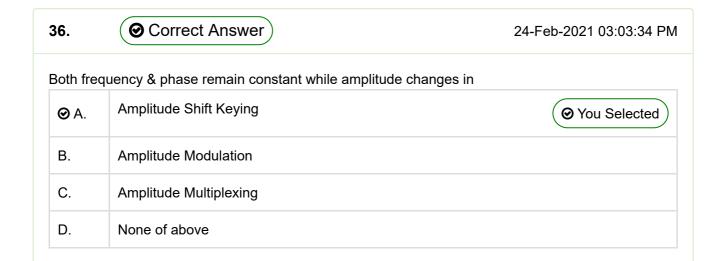
...... is not an example of guided media of data transmission

⊘ A.	Air	
B.	Twisted pair cable	
C.	coaxial cable	
D.	optical fiber	

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Consider an extremely noisy channel in which the value of the signal-to-noise ratio is almost zero. In other words, the noise is so strong that the signal is faint. For this channel the capacity C is calculated as

A.	infinite
⊘ B.	zero
C.	cannot be calculated
D.	based on approximation





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C. Sma	aller
⊘ D. Larg	ger

38.	⊘ Correct Answer	24-Feb-2021 02:49:03 PM
The shar	ing of a medium and its link by two or more devices is called	
A.	modulation	
⊘ B.	multiplexing	⊘ You Selected
C.	encoding	
D.	line discipline	

