

Exam: MST-1_FEB-2021_CS3CO28_Data Communication

Data Communication (T)
38/40

1. ☒ Incorrect Answer

24-Feb-2021 02:49:15 PM

Suppose a signal travels through a transmission medium and its power is reduced to one-half. This means that P_2 is $(1/2)P_1$. In this case, the attenuation (loss of power) can be calculated as

A.	3dB	<input checked="" type="radio"/> You Selected
<input checked="" type="radio"/> B.	-3dB	
C.	10dB	
D.	-10dB	

2. ☒ Correct Answer

24-Feb-2021 02:49:01 PM

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

A.	Multiplexing	
B.	Modulation	
<input checked="" type="radio"/> C.	amplification	<input checked="" type="radio"/> You Selected
D.	compression	

3. ☒ Correct Answer

24-Feb-2021 02:49:02 PM

If the maximum 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	
<input checked="" type="radio"/> C.	range from -10 to 10, inclusive	<input checked="" type="radio"/> You Selected

D. are integer values from -10 to 10

4. ☒ 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

☒ B. twice

☒ You Selected

C. thrice

D. none of these

5. ☒ Correct Answer

24-Feb-2021 02:49:28 PM

The signal at the beginning of the medium is not the same as the signal at the end of the medium

A. Signal noise

B. Signal Attenuation

☒ C. Signal impairment

☒ You Selected

D. Signal distortion

6. ☒ Correct Answer

24-Feb-2021 03:06:00 PM

Which multiplexing technique involves signals composed of light beams?

☒ A. WDM

☒ You Selected

B. TDM

C. FDM

D. None of these

7. ☒ Correct Answer

24-Feb-2021 03:05:44 PM

The _____ product defines the number of bits that can fill the link

A.	delay-amplitude	
B.	frequency-amplitude	
<input checked="" type="radio"/> C.	bandwidth-delay	<input checked="" type="radio"/> You Selected
D.	bandwidth-period	

8. ☒ Correct Answer

24-Feb-2021 03:07:16 PM

If a signal is sampled at regular intervals at a rate higher than _____ the highest signal frequency, the samples contain all the information of the original signal

A.	less than	
B.	thrice	
<input checked="" type="radio"/> C.	Twice	<input checked="" type="radio"/> You Selected
D.	Same	

9. ☒ Correct Answer

24-Feb-2021 03:09:52 PM

Which of the following is not DAC?

A.	ASK	
B.	PSK	
C.	FSK	
<input checked="" type="radio"/> D.	AM	<input checked="" type="radio"/> You Selected

10. ☒ Correct Answer

24-Feb-2021 02:48:58 PM

Increasing the levels of a signal _____ the probability of an error occurring, in other words it reduces the _____ of the system

A.	decreases, reliability	
----	------------------------	--

B.	increases, accuracy	
<input checked="" type="radio"/> C.	increases, reliability	<input checked="" type="radio"/> You Selected
D.	decreases, accuracy	

11.

☒ Incorrect Answer

24-Feb-2021 03:07:54 PM

The value of a simple sine wave at time zero is zero. The next value is negative. The phase shift is therefore _____ degrees.

A.	zero	
B.	90	
<input checked="" type="radio"/> C.	180	
D.	0 or 180	<input checked="" type="radio"/> You Selected

12.

☒ Correct Answer

24-Feb-2021 02:49:00 PM

Broadcast radio and television, cable television, and the AMPS cellular phone systems use _____ multiplexing

A.	Phase Division	
B.	Code Division	
C.	Time Division	
<input checked="" type="radio"/> D.	Frquency Division	<input checked="" type="radio"/> You Selected

13.

☒ Correct Answer

24-Feb-2021 03:08:19 PM

A complete sine wave in the time domain can be represented by one single spike in the _____

<input checked="" type="radio"/> A.	frequency domain	<input checked="" type="radio"/> You Selected
B.	phase domain	
C.	both a and b	

D.	None of the above
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14. ☒ Correct Answer

24-Feb-2021 03:01:40 PM

AM signal have all information in _____ of the carrier.

- | | | |
|-------------------------------------|-----------|---|
| <input checked="" type="radio"/> A. | Amplitude | <input checked="" type="radio"/> You Selected |
| B. | Magnitude | |
| C. | Frequency | |
| D. | Power | |

15. ☒ Correct Answer

24-Feb-2021 02:49:28 PM

Which multiplexing technique transmits digital signals?

- | | | |
|-------------------------------------|---------------|---|
| A. | WDM | |
| <input checked="" type="radio"/> B. | TDM | <input checked="" type="radio"/> You Selected |
| C. | FDM | |
| D. | None of these | |

16. ☒ Correct Answer

24-Feb-2021 03:01:14 PM

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

- | | | |
|-------------------------------------|----------------------------|---|
| A. | Increased capacity | |
| B. | Easier handoff | |
| C. | Better measure of security | |
| <input checked="" type="radio"/> D. | All are correct | <input checked="" type="radio"/> You Selected |

17. ☒ Correct Answer

24-Feb-2021 03:10:51 PM

Which encoding uses positive, negative and zero levels?

A.	Polar
B.	Unipolar
<input checked="" type="radio"/> C.	Bipolar You Selected
D.	Multilevel

18.

☒ Correct Answer

24-Feb-2021 02:58:20 PM

In Huffman coding, you assign _____ to symbols that occur more frequently and _____ to those that occur less frequently.

A.	Longer Codes, Shorter Codes
<input checked="" type="radio"/> B.	shorter codes, longer codes You Selected
C.	Longer Codes, Longer Codes
D.	Shorter codes, Shorter Codes

19.

☒ Correct Answer

24-Feb-2021 03:01:29 PM

The effectiveness of any data communications system didn't depends upon which fundamental characteristics:-

A.	Delivery
B.	Timeliness
<input checked="" type="radio"/> C.	Destination You Selected
D.	Jitter

20.

☒ Correct Answer

24-Feb-2021 02:48:57 PM

Why spread spectrum technique is inefficient for a single user?

☒ A. Large transmission bandwidth

☒ You Selected

B. Small transmission bandwidth

C. Fixed transmission bandwidth

D. Fixed null bandwidth

21.

☒ Correct Answer

24-Feb-2021 02:48:57 PM

Which of the following is not a digital-to-analog conversion?

A. FSK

B. PSK

C. ASK

☒ D. AM

☒ You Selected

22.

☒ Correct Answer

24-Feb-2021 02:49:26 PM

A signal made of many simple sine waves used in data communication is defined as

A. sinusoidal signal

B. Complex signal

☒ C. Composite signal

☒ You Selected

D. All of above

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

24.

☒ Correct Answer

24-Feb-2021 02:59:13 PM

Which media uses patterns of microwaves to represent bits?

A.	copper	
<input checked="" type="radio"/> B.	wireless	<input checked="" type="radio"/> You Selected
C.	fiber-optic	
D.	plastic	

25.

☒ Correct Answer

24-Feb-2021 03:10:49 PM

In the listed below, which is not a part of communication model:-

A.	Source	
<input checked="" type="radio"/> B.	Noise	<input checked="" type="radio"/> You Selected
C.	Transmitter	
D.	Destination	

26.

☒ Correct Answer

24-Feb-2021 02:59:57 PM

T-1 and ISDN telephone lines are common examples of _____

<input checked="" type="radio"/> A.	Synchronous Time Division Multiplexing	<input checked="" type="radio"/> You Selected
B.	Asynchronous Time Division Multiplexing	
C.	Frquency-Time Division Multiplexing	
D.	All of above	

27.

☒ Correct Answer

24-Feb-2021 03:03:35 PM

_____ is a digital process that allows several connections to share the high bandwidth of a link.

A.	WDM
B.	FDM
C.	TDM
<input checked="" type="radio"/> D.	All of above

You Selected

28.

☒ Correct Answer

24-Feb-2021 02:49:04 PM

If the composite signal is periodic, the decomposition gives a series of signals with

A.	continous frequencies
B.	Sampled frequencies
C.	Mixed Frequencies
<input checked="" type="radio"/> D.	discrete frequencies

You Selected

29.

☒ Correct Answer

24-Feb-2021 03:06:41 PM

Both station can transmit and receive data simultaneously in...

A.	Simplex mode
B.	Half duplex mode
<input checked="" type="radio"/> C.	Full duplex mode
D.	None of the mentioned

You Selected

30.

☒ Correct Answer

24-Feb-2021 02:49:25 PM

The integrity of the data is preserved in

<input checked="" type="radio"/> A.	Lossless Data Compression
B.	Lossy Data Compression
C.	both a and b

You Selected

D.	None of A and B
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31.

☒ Correct Answer

24-Feb-2021 03:01:00 PM

Which waveforms 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

In data communication 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 combination of

A. ASK and FSK

☒ B. ASK and PSK☒ You Selected

C. PSK and FSK

D. None of the above

34.

☒ Correct Answer

24-Feb-2021 02:49:00 PM

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

<input checked="" type="radio"/> A.	Air	<input checked="" type="radio"/> You Selected
B.	Twisted pair cable	
C.	coaxial cable	
D.	optical fiber	

35.

☒ Correct Answer

24-Feb-2021 02:49:03 PM

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	
<input checked="" type="radio"/> B.	zero	<input checked="" type="radio"/> You Selected
C.	cannot be calculated	
D.	based on approximation	

36.

☒ Correct Answer

24-Feb-2021 03:03:34 PM

Both frequency & phase remain constant while amplitude changes in

<input checked="" type="radio"/> A.	Amplitude Shift Keying	<input checked="" type="radio"/> You Selected
B.	Amplitude Modulation	
C.	Amplitude Multiplexing	
D.	None of above	

37.

☒ Correct Answer

24-Feb-2021 03:09:50 PM

In Phase modulation the bandwidth available is _____ than of Amplitude modulation

A.	smaller or larger	
B.	Similar	

C.	Smaller
<input checked="" type="radio"/> D.	Larger

You Selected

38.

☒ Correct Answer

24-Feb-2021 02:49:03 PM

The sharing of a medium and its link by two or more devices is called

A.	modulation
<input checked="" type="radio"/> B.	multiplexing
C.	encoding
D.	line discipline

You Selected

39.

☒ Correct Answer

24-Feb-2021 02:49:02 PM

A television broadcast is an example of _____ transmission.

<input checked="" type="radio"/> A.	Half Duplex
B.	Simplex
C.	Full-Duplex
D.	Automatic

You Selected

40.

☒ Correct Answer

24-Feb-2021 02:48:59 PM

In Huffman coding, data in a tree always occur?

A.	roots
<input checked="" type="radio"/> B.	leaves
C.	left sub trees
D.	right sub trees

You Selected

