## Version: 7.0

Question: 1	
Which characteristic is an advantage of copper based media over optical	al fiber cable?
A. Weight	
B. Corrosion resistance	
C. Ability to handle analog signals	
D. Susceptibility to EMI	
E. Very high data rates	
	Answer: C
Question: 2	
Which is an advantage of stranded conductors over solid conductors?	
A Loop coathy	
A. Less costly B. Simpler terminations	
C. Better high frequency performance	
D. More flexible	
	Answer: D
Question: 3	
Composite conductors, although not generally recommended, may be because they provide all of the following advantages EXCEPT:	used in special circumstances
A. Have good digital transmission characteristics	
B. Lightweight	
C. Inexpensive	
D. Easy to produce	
received the control of the decrease of the control	
E. Easily embedded into other materials	
E. Easily embedded into other materials	Answer: A
E. Easily embedded into other materials  Question: 4	Answer: A

A. Dielectric constant – high value

B. Dielectric strength – high value

C. Dissipation factor – low value

D. Insulation resistance - high value	
	Answer: A
Question: 5	
If the input signal power to a commun system attenuation is:	nication system is 1 W and the output power is 1 mW, the
A. 3 dB B. 20 dB	
C. 30 dB D. 40 dB E. 1000 dB	
	Answer: C
Question: 6	
_	mplitude (A) and the same frequency (f). They differ in phase e added together, the result is a sinusoidal signal having an
A. Zero B. 0.707A and a frequency of f C. A and a frequency of 2f	
D. 2A and a frequency of f E. 2A and a frequency of 2f	
	Answer: A
Question: 7	
Which of the following correctly lists the	e lowest frequency band to the highest frequency band?
A. MF, HF, VHF, UHF B. UHF, VHF, HF, MF	
C. HF, MF, UHF, VHF D. VHF, UHF, MF, HF E. HF, MF, UHF, VHF	
L. 111, WII, OTII, VIII	
	Answer: A
Question: 8	

of the following steps EXCEPT:	
A. Low pass filtering B. Periodic sampling C. Quantizing D. Companding E. Amplitude modulation	
	Answer: E
	Allsweit
Question: 9	
The signal at the input to a balanced twisted pair cable is 10 mW. The can attenuation of 1 dB per 100 feet. This cable is connected to the input at the input to the receiver is 1 microwatt. What is the signal-to-noise input?	it of a receiver. The noise level
A. 10 dB B. 30 dB	
C. 40 dB D. 60 dB E. 100 dB	
	Ancwore D
	Answer: B
Question: 10	Answer: B
Question: 10  You must place CAT6 cable above a factory floor with automated we forges. Of the following, what type of shielding would be most effective	elding machines and hammer
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The conversion of an analog speech signal to a pulse code modulation (PCM) digital signal involves all

	Answer: B
Question: 12	_
The public telephone systen	n is an example of a system.
A. Simplex	
B. Half-duplex	
C. Full-duplex	
D. Purely analog	
E. Purely digital	
	Answer: C
Question: 13	
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, where c is the	velocity of light in free space.
A. 0.2 c	
В. 0.4 с	
B. 0.4 c C. 0.6 c	
3. 0.4 c C. 0.6 c D. 08 c	
B. 0.4 c C. 0.6 c D. 08 c	
	Answer: C
B. 0.4 c C. 0.6 c D. 08 c	Answer: C
B. 0.4 c C. 0.6 c D. 08 c E. 0.9 c  Question: 14  Assume that the optical po	wer transmitted by a 62.5/125 multimode fiber is distributed uniformly is perfectly coupled (i.e., the two fibers are aligned and abutted) to a
B. 0.4 c C. 0.6 c D. 08 c E. 0.9 c  Question: 14  Assume that the optical poacross its core. If this fiber 50/125 fiber, what is the performance of the performance o	wer transmitted by a 62.5/125 multimode fiber is distributed uniformly is perfectly coupled (i.e., the two fibers are aligned and abutted) to a
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Question: 14  Assume that the optical postcross its core. If this fiber 50/125 fiber, what is the period of the core of the co	wer transmitted by a 62.5/125 multimode fiber is distributed uniformly is perfectly coupled (i.e., the two fibers are aligned and abutted) to a
Question: 14  Assume that the optical postcross its core. If this fiber 50/125 fiber, what is the person 3. 0 percent 3. 36 percent 5. 50 percent 5. 80 percent 5. 80 percent	wer transmitted by a 62.5/125 multimode fiber is distributed uniformly is perfectly coupled (i.e., the two fibers are aligned and abutted) to a
Question: 14  Assume that the optical pontoross its core. If this fiber is 60/125 fiber, what is the period of the core is 3.36 percent is 50 percent is 8.90	wer transmitted by a 62.5/125 multimode fiber is distributed uniformly is perfectly coupled (i.e., the two fibers are aligned and abutted) to a
B. 0.4 c C. 0.6 c D. 08 c E. 0.9 c  Question: 14  Assume that the optical poacross its core. If this fiber 50/125 fiber, what is the period.	wer transmitted by a 62.5/125 multimode fiber is distributed uniformly is perfectly coupled (i.e., the two fibers are aligned and abutted) to a
Question: 14  Assume that the optical postcross its core. If this fiber 50/125 fiber, what is the performance of the performanc	wer transmitted by a 62.5/125 multimode fiber is distributed uniformly is perfectly coupled (i.e., the two fibers are aligned and abutted) to a cent of power that is lost?

You must place a cable between 2 equipment locations with separate difference between them of 2.1 V rms. Which one of the following cable	
A. Multimode B. Singlemode C. UTP D. STP	
	Answer: D
Question: 16	
A video camera has a coaxial cable output. The video signal is to be disbalanced twisted pair inputs. The transition between these two differe accomplished by using a:	
A. Balun	
B. Converter	
C. Modulator	
D. Cross connect	

Answer: A

E. Transceiver