

Exam: End-Sem-Exam_May-2021_CS3CO28/CS3CO18/OE00044_Data Communication

Data Communication (T)
30/30

1.

☒ Correct Answer

07-May-2021 09:11:37 AM

Which of these is not an advantage of Optical fiber cable over other guided media

A.	Large bandwidth
B.	data security
C.	noise immunity
<input checked="" type="radio"/> D.	low cost

☒ You Selected

2.

☒ Correct Answer

07-May-2021 09:11:53 AM

Signal power received at receiver is just half of that was transmitted. Attenuation is

A.	0.5 db
B.	1 db
<input checked="" type="radio"/> C.	3 db
D.	10 db

☒ You Selected

3.

☒ Correct Answer

07-May-2021 09:11:52 AM

Which of the following is not the service primitive of Connection Oriented Service?

A.	LISTEN
B.	CONNECTION
C.	SEND
<input checked="" type="radio"/> D.	ADVICE

☒ You Selected

4.

☒ Correct Answer

07-May-2021 09:12:01 AM

A periodic signal completes one cycle in 0.001 s. What is the frequency?

A.	1Hz
B.	100Hz
<input checked="" type="radio"/> C.	1Khz
D.	1Mhz

☒ You Selected

5.

☒ Correct Answer

07-May-2021 09:11:54 AM

The disadvantage of Ring Topology is

A.	Troubleshooting is difficult in ring topology.
B.	Adding or deleting the computers disturbs the network activity.
C.	Failure of one computer disturbs the whole network.
<input checked="" type="radio"/> D.	all of the above
E.	1

☒ You Selected

6.

☒ Correct Answer

07-May-2021 09:11:45 AM

Which among mentioned is not a feature of Bus Topology

A.	It transmits data only in one direction.
B.	Every device is connected to a single cable
<input checked="" type="radio"/> C.	Both A and B
D.	None of above

☒ You Selected

7.

☒ Correct Answer

07-May-2021 09:11:51 AM

Which is not a function of Data Link Layer?

A.	Flow control
B.	Error control
<input checked="" type="radio"/> C.	logical addressing <input checked="" type="radio"/> You Selected
D.	physical addressing

8.

☒ Correct Answer

07-May-2021 09:12:02 AM

In the sliding window method of flow control, the receiver window _____ size when an ACK is sent

<input checked="" type="radio"/> A.	increases in <input checked="" type="radio"/> You Selected
B.	decreases in
C.	doubles in
D.	remains its original

9.

☒ Correct Answer

07-May-2021 09:11:41 AM

In the OSI model, as a data packet moves from the upper to the lower layers, headers are _____

<input checked="" type="radio"/> A.	Added <input checked="" type="radio"/> You Selected
B.	Removed
C.	Rearranged
D.	Randomized
E.	1

10.

☒ Correct Answer

07-May-2021 09:11:56 AM

Suppose that the stop-and-wait protocol is used on a link with a bit rate of 64 kilobits per second and 20 milliseconds propagation delay. Assume that the transmission time for the acknowledgement and the processing time at nodes are negligible. Then the minimum frame size in bytes to achieve a link utilization of at least 50% is _____.

A.	50	
B.	20	
<input checked="" type="radio"/> C.	5	<input checked="" type="radio"/> You Selected
D.	10	

11.

☒ Correct Answer

07-May-2021 09:11:54 AM

A packet take to go from one host to another is defined as

A.	round trip time	
<input checked="" type="radio"/> B.	latency	<input checked="" type="radio"/> You Selected
C.	delay	
D.	congestion	
E.	1	

12.

☒ Correct Answer

07-May-2021 09:11:49 AM

The source used for Optical Fibre Communication is _____

A.	Electrical signal	
B.	Radio Waves	
<input checked="" type="radio"/> C.	Light/Laser	<input checked="" type="radio"/> You Selected
D.	All of the above	
E.	1	

13.

☒ Correct Answer

07-May-2021 09:11:48 AM

What is the use of Ping command?

<input checked="" type="radio"/> A.	To test a device on the network is reachable	<input checked="" type="radio"/> You Selected
B.	To test a hard disk fault	
C.	To test a bug in a Application	
D.	To test a Pinter Quality	

14.

☒ Correct Answer

07-May-2021 09:11:50 AM

Lossy techniques provide _____ when compared to lossless techniques

A.	lower compression ratios	
<input checked="" type="radio"/> B.	much higher compression ratios	<input checked="" type="radio"/> You Selected
C.	similar compression ratios	
D.	none of the mentioned	

15.

☒ Correct Answer

07-May-2021 09:11:42 AM

Run Length Encoding is used for

<input checked="" type="radio"/> A.	Reducing the repeated string of characters	<input checked="" type="radio"/> You Selected
B.	Bit error correction	
C.	Correction of error in multiple bits	
D.	All of the above	

16.

☒ Correct Answer

07-May-2021 09:11:59 AM

For a transcontinental channel - latency = 50 milliseconds, Bandwidth = 45 Mbps We can transmit 2.25 M bits before the first bit reaches the other end of the channel

<input checked="" type="radio"/> A.	2.25 Mbits	<input checked="" type="radio"/> You Selected
B.	225 Mbits	
C.	22.5Mbits	
D.	0.225 Mbits	
E.	1	

17.

☒ Correct Answer

07-May-2021 09:11:47 AM

In _____ encoding, the duration of the bit is divided into two halves. The voltage remains at one level during the first half and moves to the other level in the second half. The transition at the middle of the bit provides synchronization.

A.	Manchester	
<input checked="" type="radio"/> B.	both Manchester and differential Manchester	<input checked="" type="radio"/> You Selected
C.	neither Manchester nor differential Manchester	
D.	differential Manchester	

18.

☒ Correct Answer

07-May-2021 09:11:44 AM

Which multiplexing technique transmits analog signals?

A.	WDM	
B.	TDM	
C.	FDM	
<input checked="" type="radio"/> D.	A and C	<input checked="" type="radio"/> You Selected

19.

☒ Correct Answer

07-May-2021 09:11:38 AM

Which of the following primarily uses guided media?

A.	cellular telephone system	
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☒ B. local telephone system

☒ You Selected

C. satellite communications

D. radio broadcasting

20.

☒ Correct Answer

07-May-2021 09:12:03 AM

The _____ translates internet domain and host names to IP address.

☒ A. domain name system

☒ You Selected

B. routing information protocol

C. network time protocol

D. internet relay chat

21.

☒ Correct Answer

07-May-2021 09:11:40 AM

In _____, only the damaged frame is resent

A. Selective Reject ARQ

B. Go-Back -N

C. Both A and B

☒ D. Selective Repeat ARQ

☒ You Selected

22.

☒ Correct Answer

07-May-2021 09:11:39 AM

The _____ technique expands the bandwidth of a signal by replacing each data bit with n bits.

☒ A. DSSS

☒ You Selected

B. FHSS

C. FDM

D. TDM

23.

☒ Correct Answer

07-May-2021 09:11:43 AM

What conditions must be fulfilled in a good digital communication system?

A.	High fidelity
B.	High data rate
C.	High data rate
<input checked="" type="radio"/> D.	All of the mentioned

☒ You Selected

24.

☒ Correct Answer

07-May-2021 09:11:57 AM

Burst error is most likely to happen in _____ transmission

A.	Parallel
B.	Line coding
<input checked="" type="radio"/> C.	serial
D.	all of above

☒ You Selected

25.

☒ Correct Answer

07-May-2021 09:12:05 AM

Encryption takes place at which layer?

A.	application
<input checked="" type="radio"/> B.	presentation
C.	session
D.	transport

☒ You Selected

26.

☒ Correct Answer

07-May-2021 09:12:06 AM

Connection authentication is offered for ensuring that the remote host has the likely Internet Protocol (IP) _____ & _____

<input checked="" type="radio"/> A.	address, name
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☒ You Selected

B.	address, location
C.	network, name
D.	network, location

27.

☒ Correct Answer

07-May-2021 09:12:04 AM

A switch in a datagram network uses a

A.	destination address	
B.	sender address	
<input checked="" type="radio"/> C.	routing table	<input checked="" type="radio"/> You Selected
D.	header	

28.

☒ Correct Answer

07-May-2021 09:11:46 AM

Which topology is not used in design of WAN

A.	RING	
B.	STAR	
C.	Peer to Peer	
<input checked="" type="radio"/> D.	BUS	<input checked="" type="radio"/> You Selected
E.	1	

29.

☒ Correct Answer

07-May-2021 09:11:38 AM

In _____ is needed, while _____ does not need any authentication.

<input checked="" type="radio"/> A.	connection oriented service, connectionless service	<input checked="" type="radio"/> You Selected
B.	connectionless service, connection oriented service	
C.	Switching oriented service, connection oriented service	
D.	connection oriented service, Switching oriented service	

30.

☒ Correct Answer

07-May-2021 09:12:00 AM

Starting with a complete list of legal codewords, we need to find the two codewords whose Hamming distance is the smallest. This determines the _____ of the code

<input checked="" type="radio"/> A.	Hamming Distance	<input checked="" type="radio"/> You Selected
B.	Hamming code	
C.	Hamming error	
D.	Hamming length	