Brooklyn College, CIS Dept, CISC 7330X

Midterm Exam

Name: _	
Section:	Id.:
(Each que	estion is worth 5 points. You get 1 point for leaving an answer blank. You get no points for a wrong answer.)
1. (5 pt	ts) For Token Ring, the maximum length of the lan is closer to:
a.	5km
b.	500km
c.	50m
d.	500m
e.	None of the above, answer is:
2. (5 pt	ts) For Token Ring, in multicast mode
a.	destination removes packet
b.	sender removes packet
c.	packet is removed after time-to-live ticks to 0
d.	token is not used
e.	None of the above, answer is:
3. (5 pt	ts) The correct order of OSI model layers is:
a.	Application, Presentation, Data Link, Transport, Network, Session, Physical
b.	Application, Presentation, Session, Transport, Network, Data Link, Physical
c.	Application, Presentation, Session, Network, Transport, Data Link, Physical
d.	Application, Presentation, Transport, Session, Network, Data Link, Physical
e.	None of the above, answer is:
4. (5 pt	ts) The MAC layer is responsible for:
a.	Routing.
b.	Dealing with collissions.
c.	Converting ASCII to EBCDIC.
d.	End to end error correction.
e.	None of the above, answer is:
5. (5 pt	ts) On a bus network,

- a. devices connect using an active interface.
- b. devices connect using a passive interface.
- c. LLC layer handles CSMA/CD

150	L /330	OX, Midterm Exam	Page 2 01 4	Name:
		all of the above		
	e.	None of the above, answer is:		
6.	(5 pt	ts) Ring network,		
	a.	devices connect using an active in	nterface.	
	b.	devices connect using a passive in	nterface.	
	c.	LLC layer handles CSMA/CD		
	d.	all of the above		
	e.	None of the above, answer is:		
7.	(5 pt	ts) If bandwidth is 8Mhz, and SNI	R is 30, max capacity of	f the channel closer to:
	a.	20Mbps		
	b.	30Mbps		
	c.	40Mbps		
	d.	50Mbps		
	e.	None of the above, answer is:		
8.	-	ts) If bandwidth is 8Mhz, and SN imum capacity (from previous que		any voltage levels are required to achieve
	a.	3		
	b.	6		
	c.	12		
	d.	24		
	e.	None of the above, answer is:		
9.	(5 pt	ts) We wish to transmit data at 1M	Ibps using 4 voltage lev	vels. What bandwidth is required?
	a.	25Mhz		
	b.	25kHz		
	C	250kHz		

10. (5 pts)

use calculator

We are transmitting data at a rate of 1000 bits per second. During transmission, the noise introduces errors so that, on average, 16% of bits are received incorrectly (i.e.: a 0 as 1, or 1 as 0). The maximum error free capacity of this channel is closer to:

a. 350bps

d. 250Mhz

e. None of the above, answer is: __

- b. 550bps
- c. 650bps

16. (5 pts) Network switches operate at:

	d.	850bps
	e.	None of the above, answer is:
11.		s) We are transmitting data at 100W, and detect only 90W when recieving, attenuation in decibels oser to:
	a.	-2.0
	b.	-1.5
	c.	-1.0
	d.	-0.5
	e.	None of the above, answer is:
12.	(5 pt	s) The Data-Link layer is responsible for:
	a.	Point to Point transmission
	b.	Routing
	c.	Name resolution
		Pinging
	e.	None of the above, answer is:
13.	(5 pt	s) Frequencies, connectors, and cables are part of:
	a.	Frequency/Connector layer.
	b.	LLC Layer
	c.	MAC Layer
	d.	Physical layer
	e.	None of the above, answer is:
14.	(5 pt	s) MAC layer is responsible for:
	a.	Point to Point error checking.
	b.	Accessing the media.
	c.	Transcoding Network metadata
	d.	Modulating Analog Corrections
	e.	None of the above, answer is:
15.	(5 pt	s) LLC layer is responsible for:
	a.	Point to Point error checking.
	b.	Accessing the media.
	c.	Transcoding Network metadata
	d.	Modulating Analog Corrections
	e.	None of the above, answer is:

a.	Session Layer		
b.	Network layer		
c.	Data Link Layer		
d.	Physical Layer		
e.	None of the above, answer is:		
17. (5 p	ts) Routers operate at:		
a.	Physical Layer		
b.	Network layer		
c.	Data Link Layer		
d.	Session Layer		
e.	None of the above, answer is:		
18. (5 p	ts) The purpose of a mask in a routing table is:		
a.	To get network interface.		
b.	To get source address.		
c.	To get network address.		
d.	To get host address.		
e.	None of the above, answer is:		
19. (5 pts) NTP			
a.	Uses UDP		
b.	Uses TCP		
c.	Opens a connection to get time.		
d.	Creates a circuit to get time.		
e.	None of the above, answer is:		
20. (5 p	ts) Circuit Switching		
a.	Is the same as packet switching		
b.	Establishes a path upon connection		
c.	Dangerous due to electricity.		
d.	All of the above.		
e.	None of the above, answer is:		