

These are sample MCQs to indicate pattern, may or may not appear in examination

University of Mumbai
Examination 2020

Program: BE Electronics and Telecommunication Engineering

Curriculum Scheme: Revised 2016

Examination: Third Year Semester VI

Course Code: ECC602

Name: Computer Communication Networks

Time: 1 hour

Max. Marks: 50

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Note to the students:- All the Questions are compulsory and carry equal marks .

Q1.	To deliver a message to the correct application program running on a host the ----- address must be consulted
Option A:	Port
Option B:	Logical
Option C:	IP
Option D:	Physical
Q2.	Point to point Links connects -----
Option A:	Multiple pairs of Machine
Option B:	Group of Machines
Option C:	Individual Pair of Machines
Option D:	Single Machine
Q3.	What is the minimum number of wires needed to send data over it serial communication link layer?
Option A:	1
Option B:	2
Option C:	3
Option D:	4
Q4.	The area of coverage of a satellite radio beam is called its....
Option A:	beam width
Option B:	circular polarization
Option C:	footprint
Option D:	identity
Q5.	In an optical fiber, the inner core is _____ the cladding.
Option A:	denser than
Option B:	less dense than
Option C:	the same density as

Option D:	another name for
Q6.	Communication is bidirectional in
Option A:	traditional cable TV
Option B:	Hybrid Fiber Coaxial TV network
Option C:	radio networks
Option D:	Both b and c
Q7.	The data link layer converts the stream of bits received from the network layer into which of the data unit out of followings?
Option A:	Segments
Option B:	Frames
Option C:	Datagrams
Option D:	Messages
Q8.	In which of the following case receiver window in sliding window protocol expands?
Option A:	When a frame is sent
Option B:	When an ACK is sent
Option C:	When a frame is received
Option D:	When an ACK is received
Q9.	In stop & wait protocol if 50 good data frames are sent & received. How many ACK frames must have been sent by a receiver?
Option A:	0
Option B:	49
Option C:	51
Option D:	50
Q10.	The type of link used in Asynchronous Balanced Mode (ABM) of HDLC is
Option A:	Bidirectional
Option B:	Point to Point
Option C:	Unidirectional
Option D:	Multipoint
Q11.	Carrier sense multiple access (CSMA) method was developed to increase the
Option A:	Collision
Option B:	Performance
Option C:	Transmission
Option D:	Station
Q12.	In which methods the stations consult one another to find which station has the right to send.
Option A:	Random access
Option B:	Controlled access
Option C:	Reservation
Option D:	Channelization

Q13.	In the _____ method, after the station finds the line idle, it sends its frame immediately. If the line is not idle, it continuously senses the line until it finds it idle
Option A:	P-persistent
Option B:	Non-persistent
Option C:	1-persistent
Option D:	2-persistent
Q14.	In IP addressing scheme, class used for multicasting is:
Option A:	class A
Option B:	class B
Option C:	class C
Option D:	class D
Q15.	The TTL field has value 10. How many routers (max) can process this datagram?
Option A:	10
Option B:	11
Option C:	4
Option D:	12
Q16.	Network address prefixed by 1110 is a
Option A:	Class A address
Option B:	Multicast address
Option C:	Class B address
Option D:	Reserve address.
Q17.	The Routing Information Protocol (RIP) is an intradomain routing based on _____ routing
Option A:	Distance vector
Option B:	Link state
Option C:	Path vector
Option D:	Non distance vector
Q18.	The metric used by _____ is the hop count.
Option A:	OSPF
Option B:	RIP
Option C:	BGP
Option D:	BBGP
Q19.	In _____, the router forwards the received packet through only one of its interfaces
Option A:	Unicasting
Option B:	Multicasting
Option C:	Broadcasting
Option D:	Multiple unicasting

Q20.	Which of the following is false with respect to UDP?
Option A:	Connection-oriented
Option B:	Transport layer protocol
Option C:	Unreliable
Option D:	Low overhead
Q21.	Transport layer protocols deals with _____
Option A:	application to application communication
Option B:	process to process communication
Option C:	node to node communication
Option D:	man to man communication
Q22.	TCP process may not write and read data at the same speed. So we need _____ for storage.
Option A:	packets
Option B:	buffers
Option C:	stack
Option D:	segments
Q23.	Suppose a TCP connection is transferring a file of 1000 bytes. The first byte is numbered 10001. What is the sequence number of the segment if all data is sent in only one segment?
Option A:	10000
Option B:	10001
Option C:	11000
Option D:	10010
Q24.	The source port address on the UDP user datagram header defines _____
Option A:	The sending computer
Option B:	The receiving computer
Option C:	The process running on the sending computer
Option D:	The process running on the receiving computer
Q25.	The inclusion of checksum in the TCP segment is _____
Option A:	Optional
Option B:	Mandatory
Option C:	at the discretion of the application program
Option D:	not required