

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

University of Mumbai

Online Examination 2020

Program: BE Computer Engineering

Curriculum Scheme: Revised 2012

Examination: Third Year Semester V

Course Code: CPC504 and Course Name: Computer Networks

Time: 1hour

Max. Marks: 50

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

Q1.	How many layers are there in OSI reference model?
Option A:	4
Option B:	6
Option C:	7
Option D:	8

Q2.	UTP stands for_____.
Option A:	Unfolded Twisted Pair
Option B:	Unshielded Twisted Pair
Option C:	Unfolded Type Pair
Option D:	Unshielded Type Pair

Q3.	The data link layer provides its services directly to _____.
Option A:	the physical layer
Option B:	the application layer
Option C:	the network layer
Option D:	the session layer

Q4.	To determine how many bits differ in two codewords, just _____ the two codewords.
Option A:	OR
Option B:	XOR

Option C:	AND
Option D:	Negate

Q5.	DHCP Server provides _____ to the client.
Option A:	flow control
Option B:	IP address
Option C:	MAC address
Option D:	network address

Q6.	For error detection _____ is used by the higher layer protocols (TCP/IP).
Option A:	bit-sum
Option B:	checksum
Option C:	data-sum
Option D:	error-bit

Q7.	Which among the several transport services deals with the addresses, protocol utility class in addition to performance evaluating features of a connection?
Option A:	Connection Management
Option B:	Quality of Service
Option C:	User Interface
Option D:	Status Reporting

Q8.	Which of the following is a valid combination of transport layer protocols used in networking?
Option A:	TCP and FTP
Option B:	UDP and HTTP
Option C:	TCP and UDP
Option D:	HTTP and FTP

Q9.	E-mail is _____.
Option A:	Loss-tolerant application
Option B:	Bandwidth-sensitive application
Option C:	Elastic application

Option D:	complex
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Q10.	Full duplex mode increases the capacity of each endpoint by _____.
Option A:	10 to 20 mbps
Option B:	20 to 30 mbps
Option C:	30 to 40 mbps
Option D:	40 to 50 mbps

Q11.	_____ are set of rules that governs data communication.
Option A:	Protocols
Option B:	Standards
Option C:	RFCs
Option D:	Servers

Q12.	A parabolic dish antenna is _____ antenna.
Option A:	bidirectional
Option B:	unidirectional
Option C:	omnidirectional
Option D:	horn

Q13.	In the go-back-n protocol with window size of 1, if a frame in the middle of a long stream is damaged or lost, the succeeding frames will be _____ by the receiver.
Option A:	buffered
Option B:	discarded
Option C:	sent back
Option D:	forwarded

Q14.	In _____ delivery, both the deliverer of the IP packet and the destination are on the same network.
Option A:	a connectionless
Option B:	a direct
Option C:	an indirect

Option D:	a semi-direct
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Q15.	User datagram protocol is called connectionless because _____.
Option A:	all UDP packets are treated independently by transport layer
Option B:	it sends data as a stream of related packets
Option C:	it is received in the same order as sent order
Option D:	it sends data very quickly

Q16.	Which one of the following is a version of UDP with congestion control?
Option A:	datagram congestion control protocol
Option B:	stream control transmission protocol
Option C:	structured stream transport
Option D:	user congestion control protocol

Q17.	Which among the below specified illustrations belongs to the category of GUI based user agents?
Option A:	Mail
Option B:	Pine
Option C:	Outlook & Netscape
Option D:	Ping

Q18.	A topology that involves tokens is _____.
Option A:	star
Option B:	ring
Option C:	bus
Option D:	daisy chaining

Q19.	When the angle of _____ the critical angle, the light beam bends along the silica-air interface in fibre cable.
Option A:	reflection is equal to or more than
Option B:	refraction is equal to or more than
Option C:	incidence is equal to or more than

Option D:	incidence is less than
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Q20.	In the byte stuffing framing method, if the payload of the frame sent is A ESC FLAG B , only the payload at the receiver before destuffing will be ____ .
Option A:	A B
Option B:	A ESC ESC FLAG B
Option C:	A ESC ESC ESC FLAG B
Option D:	A ESC FLAG B

Q21.	Which of the following transmits data through channel with highest probability?
Option A:	1-persistent CSMA
Option B:	Non-persistent CSMA
Option C:	p-persistent CSMA
Option D:	q-persistent CSMA

Q22.	In _____ forwarding, the full IP address of a destination is given in the routing table.
Option A:	next-hop
Option B:	network-specific
Option C:	host-specific
Option D:	default

Q23.	Which of the following is a transport layer protocol?
Option A:	Stream control transmission protocol
Option B:	Internet control message protocol
Option C:	Neighbor discovery protocol
Option D:	Dynamic host configuration protocol

Q24.	To deliver a message to the correct application program running on a host, the _____ address must be consulted.
Option A:	logical
Option B:	_____ defines the general rules for naming objects, defining object types, and showing how to encode objects and values.

Option C:	network
Option D:	port

Q25.	_____ defines the general rules for naming objects, defining object types, and showing how to encode objects and values.
Option A:	MIB
Option B:	BER
Option C:	SMI
Option D:	FTP