

**University of Mumbai**  
**Examination 2020 under cluster 2 (FRCRCE)**

Program: BE Electronics Engineering

Curriculum Scheme: Revised 2016

Examination: Third Year Semester VI

Course Code: ELX602 and Course Name: Computer Communication Network

Time: 1 hour

Max. Marks: 50

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

Q1.	Which of the following are 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
Q2.	Transmission control protocol is a _____.
Option A:	Connection oriented protocol
Option B:	Connection less protocol
Option C:	Connection made protocol
Option D:	Connection made protocol
Q3.	A _____ is a device that forwards packets between networks by processing the routing information included in the packet.
Option A:	Bridge
Option B:	Firewall
Option C:	Router
Option D:	Hub
Q4.	_____ is a device which is use to regenerate the signal.

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Option A:	Repeater
Option B:	Switch
Option C:	Hub
Option D:	Router
Q5.	Which transmission media provides the highest transmission speed in a network?
Option A:	coaxial cable
Option B:	twisted pair cable
Option C:	optical fiber
Option D:	electrical cable
Q6.	Which of this is not a guided media?
Option A:	Fiber optical cable
Option B:	Coaxial cable
Option C:	Wireless LAN
Option D:	Copper wire
Q7.	The ARQ mechanism that deals with the transmission of only damaged or lost frames despite the other multiple frames by increasing the efficiency & its utility in noisy channels is??
Option A:	Go back N ARQ
Option B:	Selective Repeat ARQ
Option C:	Stop and Wait ARQ
Option D:	HDLC
Q8.	In _____ methods, no station is superior to another station and none is assigned the control over another.
Option A:	controlled access

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Option B:	random access
Option C:	channelization
Option D:	uncontrolled access
Q9.	Which error detection method consists of just one redundant bit per data unit?
Option A:	CRC
Option B:	Checksum
Option C:	Parity check
Option D:	Two Dimensional parity check
Q10.	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:	ALOHA
Q11.	_____ is a circuit switching technology in which a single transmission path is accomplished in a switch by using a physically separate set of cross-points.
Option A:	Crossbar Switching
Option B:	Space Division Switching
Option C:	Multistage Switching
Option D:	Message Switching
Q12.	A _____ is a cross between a circuit-switched network and a datagram network.
Option A:	message switching network
Option B:	Packet -switched network

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Option C:	virtual-circuit network
Option D:	cross-circuit network
Q13.	_____ can be transferred at a time in circuit switching technology.
Option A:	Circuit data
Option B:	Virtual data
Option C:	Fixed data
Option D:	Signal data
Q14.	Select the Methods to move data through a network of links and switches.
Option A:	Packet switching and Line switching
Option B:	Packet switching and Circuit switching
Option C:	Line switching and bit switching
Option D:	Circuit switching and Line switching
Q15.	What is the bit rate of Ethernet when Manchester encoding is used?
Option A:	Half the baud rate
Option B:	Twice the baud rate
Option C:	Same as the baud rate
Option D:	Thrice the baud rate.
Q16.	If round trip propagation delay for a 10 Mbps Ethernet having 48-bit jamming signal is 46.4 ms. The minimum frame size is:
Option A:	94
Option B:	416
Option C:	464
Option D:	512

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Q17.	Which hardware device contain by network layer .
Option A:	Switch only
Option B:	Routers, Bridges and Switches
Option C:	Bridges and switches
Option D:	Router only
Q18.	Select the form of byte assigning strategy which is adopted in class C type of network corresponding to IP addresses.
Option A:	Network. Node. Node. Nod
Option B:	Network. Network. Node. Node
Option C:	Network .Network. Network .Node
Option D:	Network . Network . Network . Network
Q19.	There are transferred 5 files from server A to client B during same session. How many number of TCP connections will be established between A and B.
Option A:	5
Option B:	10
Option C:	6
Option D:	2
Q20.	In Go-Back-N ARQ, if frames 4, 5, and 6 are received successfully, the receiver may send an ACK _____ to the sender.
Option A:	6
Option B:	7
Option C:	5
Option D:	8
Q21.	It is a _____ that solves the single-source shortest path problem for a directed graph $G = (V, E)$ with nonnegative edge weights, i.e., $w(u, v) \geq 0$ for each edge $(u, v) \in E$ .

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Option A:	isolation algorithm
Option B:	adaptive Routing algorithm
Option C:	greedy algorithm
Option D:	vector algorithm
Q22.	HTTP port number is ____
Option A:	25
Option B:	28
Option C:	80
Option D:	16
Q23.	IPv4 address is of ____
Option A:	8
Option B:	32
Option C:	24
Option D:	128
Q24.	IEEE ____ are wireless network standard with a data rate of only 2Mbps.
Option A:	802.11a
Option B:	802.11b
Option C:	803.11a
Option D:	803.11b
Q25.	Network of network is known as _____.
Option A:	LAN
Option B:	WAN
Option C:	internet
Option D:	intranet

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