

University of Mumbai
Examination 2020 under cluster 3 (FCRIT)

Program: BE Electronics and Telecommunication Engineering

Curriculum Scheme: Revised 2012

Examination: Final Year Semester VIII

Course Code and Course Name: ETC803 and Internet and Voice Communication

Time: 1 hour

Max. Marks: 50

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

Q1.	In the OSI model, what is the main function of the transport layer?
Option A:	Process-to-process message delivery
Option B:	Updating and maintenance of routing tables
Option C:	Synchronization
Option D:	Node-to-node delivery
Q2.	Which layer is responsible for making & maintaining connection and synchronization between transmitter and receiver?
Option A:	Presentation
Option B:	Physical
Option C:	Application
Option D:	Session
Q3.	Which address, also known as the link address, is the address of a node as defined by its LAN or WAN?
Option A:	IP
Option B:	Port
Option C:	Specific
Option D:	Physical
Q4.	The DHCP server issues a _____ command on _____ UDP port number
Option A:	active open,67
Option B:	passive open,67
Option C:	active open,68
Option D:	passive open,68
Q5.	Which DNS client maps an address to a name or a name to an address especially when required by a host?
Option A:	Resolver
Option B:	Mapper
Option C:	Primary Server
Option D:	Secondary Server

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Q6.	Application layer offers _____ delivery.
Option A:	Process to process
Option B:	Host to host
Option C:	End to end
Option D:	Router to host
Q7.	The domain name system is maintained by _____.
Option A:	distributed database system
Option B:	a single server
Option C:	a single computer
Option D:	central system
Q8.	Which of the following is not a flag field in TCP?
Option A:	URG
Option B:	PSH
Option C:	RST
Option D:	TTL
Q9.	What allows TCP to detect lost segments and in turn recover from that loss?
Option A:	Sequence number
Option B:	Acknowledgment number
Option C:	Checksum
Option D:	Both Sequence & Acknowledgment number
Q10.	This is not related to Transmission control protocol
Option A:	is a connection-oriented protocol
Option B:	uses a three way handshake to establish a connection
Option C:	receives data from application as a single stream
Option D:	Security
Q11.	Using which method in transport layer data integrity can be ensured?
Option A:	Checksum
Option B:	Cyclic redundancy checks
Option C:	Error correcting codes
Option D:	FCS
Q12.	This is not an error reporting message in ICMP
Option A:	Echo request or reply
Option B:	Destination unreachable
Option C:	Source quench
Option D:	Time exceeded
Q13.	This is the Network mask for Class B
Option A:	255.255.255.0

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Option B:	255.255.0.0
Option C:	255.0.0.0
Option D:	255.0.255.0
Q14.	One of the addresses in a block is 168.199.170.82/27. The first and last address of this block are
Option A:	168.199.170.64/27 and 168.199.170.95/27.
Option B:	168.199.170.74/27 and 168.199.170.85/27.
Option C:	168.199.170.84/27 and 168.199.170.85/27.
Option D:	168.199.170.94/27 and 168.199.170.85/27.
Q15.	An ISP has requested a block of 1000 addresses. The prefix length for the block is
Option A:	/26
Option B:	/22
Option C:	/24
Option D:	/28
Q16.	In an IP packet, the value of HLEN is 1000 in binary. How many bytes of options are being carried by this packet?
Option A:	28
Option B:	32
Option C:	26
Option D:	24
Q17.	MPEG1 was designed for a
Option A:	CD-ROM with a data rate of 1.5 Mbps
Option B:	for high-quality DVD with a data rate of 3 to 6 Mbps.
Option C:	for high-quality DVD with a data rate of 4 to 8 Mbps.
Option D:	CD-ROM with a data rate of 2.5 Mbps
Q18.	For sending a compressed audio/video file using a Web Server
Option A:	The client (browser) can use the services of FTP and send a GET message to download the file
Option B:	The client (browser) can use the services of HTTP and send a GO message to download the file
Option C:	The client (browser) can use the services of HTTP and send a HELLO message to download the file
Option D:	The client (browser) can use the services of HTTP and send a GET message to download the file
Q19.	In a leaky bucket used to control liquid flow, how many gallons of liquid are left in the bucket if the output rate is 5 gal/min, there is an input burst of 100 gal/min for 12 s, and there is no input for 48 s?
Option A:	15 gal
Option B:	19 gal

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Option C:	17 gal
Option D:	25 gal
Q20.	In Real-Time Transport Protocol (RTP), source periodically sends a source description message to give additional information about
Option A:	Others.
Option B:	Itself.
Option C:	Protocols.
Option D:	Packets.
Q21.	Session Initiation Protocol (SIP), has a mechanism which finds the
Option A:	Domain.
Option B:	Way.
Option C:	Terminal.
Option D:	IP Address.
Q22.	In Voice Over IP, Term SIP stands for
Option A:	Session Initiation Path.
Option B:	Session Initiation Port.
Option C:	Session Initiation Protocol.
Option D:	Session Initiation Packet.
Q23.	In Real-Time Transport Protocol (RTP), A source sends a bye message to shut down a
Option A:	System.
Option B:	Frames.
Option C:	IP.
Option D:	Stream.
Q24.	To perform tracking of an IP, Session Initiation Protocol (SIP), uses concept of
Option A:	Termination.
Option B:	Registration.
Option C:	Streaming.
Option D:	Translation.
Q25.	A simple session using Session Initiation Protocol (SIP), consists of three modules: establishing, communicating, and
Option A:	Transmission.
Option B:	System.
Option C:	Streaming.
Option D:	Terminating.