

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

**University of Mumbai**  
**Online Examination 2020**

Program: TE Electronics and Telecommunication Engineering

Curriculum Scheme: Revised 2012

Examination: Third Year Semester VI

Course Code: ETC603 and Course Name: Computer Communication and Telecom 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.	_____ is suitable for businesses that require comparable upstream and downstream data rates
Option A:	VDSL
Option B:	ADSL
Option C:	SDSL
Option D:	VDSL & ADSL
Q2.	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
Q3.	The header of the datagram in IPv4 has
Option A:	0 to 20 bytes
Option B:	0 to 40 bytes
Option C:	20 to 40 bytes
Option D:	20 to 60 bytes
Q4.	A list of protocols used by a system, one protocol per layer is called
Option A:	protocol suit
Option B:	protocol stack
Option C:	protocol regulation
Option D:	None of the above
Q5.	Telnet protocol is used to establish a connection to
Option A:	TCP port number 21
Option B:	TCP port number 22
Option C:	TCP port number 23

Option D:	TCP port number 24
Q6.	This is an example of Connectionless service
Option A:	Sequence of Pages
Option B:	Movie Download
Option C:	Text Message
Option D:	Voice over IP
Q7.	Which of the following modulation schemes is supported by WiMAX?
Option A:	binary phase shift keying modulation
Option B:	quadrature phase shift keying modulation
Option C:	quadrature amplitude modulation
Option D:	all of the mentioned
Q8.	The station configuration in Normal Response Mode (NRM) of HDLC is
Option A:	Unbalanced
Option B:	Balanced
Option C:	Zero
Option D:	Undefined
Q9.	Which protocol gives a full route table update every 30 seconds?
Option A:	IEGRP
Option B:	RIP
Option C:	ICMP
Option D:	IP
Q10.	Which protocol does not provide reliable end to end communication
Option A:	UDP
Option B:	TCP
Option C:	TCP and UDP
Option D:	TCP or UDP
Q11.	Which one of the following is an architecture paradigms?
Option A:	Client-server
Option B:	HTTP
Option C:	Peer to peer
Option D:	Both Peer-to-Peer & Client-Server
Q12.	The ..... of TCP/IP protocol is responsible for figuring out how to get data to its destination
Option A:	Application layer
Option B:	Link layer
Option C:	Network layer
Option D:	Transport layer
Q13.	WiMAX uses the _____

Option A:	orthogonal frequency division multiplexing
Option B:	time division multiplexing
Option C:	space division multiplexing
Option D:	channel division multiplexing
Q14.	Which of the following layer guarantees reliable transmission on a single link?
Option A:	Network
Option B:	Data link
Option C:	Transport
Option D:	Physical
Q15.	In congestion control, warning message goes directly to the
Option A:	Data Station
Option B:	Destination station
Option C:	Network Station
Option D:	Source Station
Q16.	In SMTP, the command to write receivers mail address is written with this command
Option A:	SEND TO
Option B:	RCPT TO
Option C:	MAIL TO
Option D:	HELO
Q17.	which one is not function of physical layer
Option A:	Representation of bits
Option B:	Data rate
Option C:	Physical topology
Option D:	Error Control
Q18.	_____ cable can carry signals of higher frequency ranges than _____ cable
Option A:	Twisted-pair; fiber-optic
Option B:	Coaxial; fiber-optic
Option C:	Coaxial; twisted-pair
Option D:	none of the above
Q19.	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
Q20.	When data are transmitted from device A to device B the header from A's layer 4 is read by B's ----- layer
Option A:	Physical

Option B:	Transport
Option C:	Application
Option D:	Network
Q21.	What is the major factor that makes coaxial cable less susceptible to noise than twisted-pair cable?
Option A:	inner conductor
Option B:	diameter of cable
Option C:	outer conductor
Option D:	insulating material
Q22.	Datagram switching is done at which layer of OSI model?
Option A:	Network layer
Option B:	Physical layer
Option C:	Application layer
Option D:	Transport layer
Q23.	Which of the following factors affect transmission rate in DSL?
Option A:	The gauge of the twisted-pair line
Option B:	Degree of electrical interference
Option C:	Shadow fading
Option D:	The gauge of the twisted-pair line and degree of electrical interference
Q24.	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
Q25.	It is an Example of Personal Area Network (PAN)
Option A:	Bluetooth
Option B:	Local Area Network
Option C:	Wi-Fi
Option D:	Metropolitan Area Network