

University of Mumbai

Examination 2020 under cluster 4 (PCE)

Program: TE Electronics & Telecommunication Engineering

Curriculum Scheme: Rev 2012

Examination: Third Year Semester VI

Course Code: ETC603 and Course Name: Computer Communication and Telecom Networks

Time: 1 hour

Max. Marks: 50

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

Q1.	The end to end delivery of the entire message is the responsibility of
Option A:	Network layer
Option B:	Transport layer
Option C:	Session layer
Option D:	Presentation layer
Q2.	Border Gateway Protocol (BGP) use the hop-count for shortest path, but hop-count in BGP's case is a
Option A:	Router
Option B:	Switch
Option C:	AS (Autonomous System)
Option D:	BGP do not use Hop-count
Q3.	Which Topology requires a central controller or hub?
Option A:	Mesh
Option B:	Star
Option C:	Bus
Option D:	Ring
Q4.	The data unit in the TCP/IP IP Layer is called a___.
Option A:	Message
Option B:	Segment
Option C:	Datagram
Option D:	Frame
Q5.	The request by HTTP client is done by establishing a _____ connection to a particular port on the server.
Option A:	user datagram protocol
Option B:	transmission control protocol
Option C:	border gateway protocol
Option D:	domain host control protocol
Q6.	The entire hostname has a maximum of
Option A:	255 characters
Option B:	127 characters
Option C:	63 characters
Option D:	31 characters

University of Mumbai
Examination 2020 under cluster 4 (PCE)

Q7.	Maximum size of data that the application layer can pass on to the TCP layer below is
Option A:	512 bytes
Option B:	Any Size
Option C:	216 bytes
Option D:	1500 bytes
Q8.	The _____ address must be consulted, to deliver a message to the correct application program running on a host.
Option A:	IP
Option B:	MAC
Option C:	PORT
Option D:	DNS
Q9.	In congestion control mechanism the window size is doubled for every successful acknowledgement is a kind of _____ increasing the traffic.
Option A:	Linearly
Option B:	Exponentially
Option C:	Parabolic
Option D:	Vertical
Q10.	Decryption and encryption of data are the responsibility of_____.
Option A:	Physical layer
Option B:	data link layer
Option C:	Presentation layer
Option D:	session layer
Q11.	In the congestion avoidance algorithm, the size of the congestion window increases _____ until congestion is detected.
Option A:	Exponentially
Option B:	Additively
Option C:	Multiplicatively
Option D:	Suddenly
Q12.	The level that treats different types of traffics in different ways, giving certain traffic streams higher priority than other streams and with best efforts, but no guarantees are
Option A:	Best effort service
Option B:	Soft QoS
Option C:	Worst effort service
Option D:	Hard QoS
Q13.	128.10.xx.xx ,32 bit IP address corresponds to class _____.
Option A:	A
Option B:	B
Option C:	C
Option D:	A

University of Mumbai
Examination 2020 under cluster 4 (PCE)

Q14.	_____ is responsible for tunneling multicast packets to the MS's currently subscribed FA.
Option A:	Multicast home agent
Option B:	Mobile multicast
Option C:	Mobile station
Option D:	Base station
Q15.	BGP is technically a distance vector protocol, mostly we call it _____
Option A:	Path vector protocol
Option B:	IGP protocol
Option C:	link-start protocol
Option D:	dual protocol
Q16.	What is the format of IP address?
Option A:	34 bit
Option B:	64 bit
Option C:	16 bit
Option D:	32 bit
Q17.	Which of the following allows devices on one network to communicate with devices on another network?
Option A:	Modem
Option B:	Multiplexer
Option C:	Gateway
Option D:	Switch
Q18.	DIFS and SIFS is used in
Option A:	CSMA
Option B:	CSMA/CA
Option C:	CSMA/CD
Option D:	Reservation
Q19.	Which routing protocol do MPLS providers typically use internally in the provider's network?
Option A:	MP-BGP
Option B:	EIGRP
Option C:	OSPF
Option D:	IS-IS
Q20.	Digitization is a combination of sampling and _____
Option A:	Shift keying
Option B:	Quantization
Option C:	Pulse coding
Option D:	Handshaking
Q21.	In asynchronous serial communication the physical layer provides _____
Option A:	start and stop signaling
Option B:	flow control

University of Mumbai
Examination 2020 under cluster 4 (PCE)

Option C:	both start & stop signaling and flow control
Option D:	only start signaling
Q22.	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
Q23.	_____cable consists of inner copper core and a second conducting outer sheath.
Option A:	twister pair
Option B:	Coaxial
Option C:	fiber optics
Option D:	Unshielded Twisted Pair (UTP) Cable.
Q24.	Which one of the following is not true?
Option A:	multiple hostnames may correspond to a single IP address
Option B:	a single hostname may correspond to many IP addresses
Option C:	a single hostname may correspond to a single IP address
Option D:	multiple hostnames may correspond to a many IP address
Q25.	The Channel capacity is shared by both communicating devices at all time in
Option A:	Simplex transmission
Option B:	Half Duplex Transmission
Option C:	Full Duplex transmission
Option D:	Half Simplex transmission

University of Mumbai

Examination 2020 under cluster 4 (PCE)

Program: TE Electronics & Telecommunication Engineering

Curriculum Scheme: Rev 2012

Examination: Third Year Semester VI

Course Code: ETC603 and Course Name: Computer Communication and Telecom Networks Time: 1 hour

Max. Marks: 50

Question	Correct Option (Enter either 'A' or 'B' or 'C' or 'D')
Q1.	B
Q2.	C
Q3.	B
Q4	C
Q5	B
Q6	A
Q7	B
Q8.	C
Q9.	B
Q10.	C
Q11.	B
Q12.	B
Q13.	A
Q14.	A
Q15.	A
Q16.	D
Q17.	C
Q18.	B
Q19.	A
Q20.	B
Q21.	C
Q22.	D
Q23.	B
Q24.	C
Q25.	C

University of Mumbai
Examination 2020 under cluster 4 (PCE)