University of Mumbai
Examination 2020 under cluster 4 (PCE)

Program: BE Electronics and Telecommunication Engineering
Curriculum Scheme: Rev2012
Examination: Final Year Semester VIII
Course Code: ETC803 and Course Name: IVC

Time: 1 hour   Max. Marks: 50

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

Q1.	The transport layer in the TCP/IP suite having following protocols: UDP, TCP and
Option A:	ARP
Option B:	RARP
Option C:	FTP
Option D:	SCTP
Q2.	Port addresing is the responsibility of _____ layer.
Option A:	Network
Option B:	Physical
Option C:	Transport
Option D:	Data link
Q3.	In an IP datagram the time to Live (TTL) field is used to _____
Option A:	Reduce delays
Option B:	Prioritize packets
Option C:	Prevent packet looping
Option D:	Optimize throughput
Q4.	Which of the following protocol is used to send email?
Option A:	HTTP
Option B:	SMTP
Option C:	POP
Option D:	TFTP
Q5.	Which application layer protocol is used to displaying a web page,
Option A:	FTP protocol
Option B:	HTTP protocol
Option C:	TFTP protocol
Option D:	TCP protocol
Q6.	Which protocol used by TELNET for data connection ?
Option A:	TCP
Option B:	FTP
Option C:	SMTP
Option D:	UDP
Q7.	The DNS Client service itself communicates with DNS servers, and _____ the results that it receives.
Option A:	CPU cache

Option B:	Cache
Option C:	CDROM
Option D:	Computer data Storage
Q8.	Which of the following is not a field in TCP header?
Option A:	Sequence number
Option B:	Fragment offset
Option C:	Checksum
Option D:	Window size
Q9.	A port address in UDP is _____bits long.
Option A:	8
Option B:	16
Option C:	32
Option D:	64
Q10.	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
Q11.	Identify the correct order in which a server process must invoke the function calls accept, bind, listen, and recv according to UNIX socket API.
Option A:	Listen, accept, bind recv
Option B:	Bind, listen, accept, recv
Option C:	Bind, accept, listen, recv
Option D:	Accept, listen, bind, recv
Q12.	Assume that the bandwidth for a TCP connection is 1048560 bits/sec. Let α be the value of RTT in milliseconds (rounded off to the nearest integer) after which the TCP window scale option is needed. Let β be the maximum possible window size with window scale option. Then the values of α and β are.
Option A:	63 milliseconds 65535×214
Option B:	63 milliseconds 65535×216
Option C:	500 milliseconds 65535×214
Option D:	500 milliseconds 65535×216
Q13.	In IPv4 255.255.255.255 is _____
Option A:	Specific host address
Option B:	Private address
Option C:	Loopback address
Option D:	Limited broadcast address
Q14.	ICMP protocol is used for-
Option A:	Routing
Option B:	Finding shortest pat
Option C:	Error reporting and management query

Option D:	Finding MAC address
Q15.	In ICMP Protocol ,_____ is not a type of error-reporting message?
Option A:	Destination unreachable
Option B:	Source quench
Option C:	Router error
Option D:	Time exceeded
Q16.	What is size of IPv4 address?
Option A:	128 bits
Option B:	32 bits
Option C:	128 bytes
Option D:	32 bytes
Q17.	Streaming stored audio/video, files are compressed and stored on a
Option A:	IP.
Option B:	Server.
Option C:	Domain.
Option D:	Internet.
Q18.	Session Initiation Protocol (SIP), is very
Option A:	Independent.
Option B:	Flexible.
Option C:	Important.
Option D:	Layered.
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:	12
Option B:	18
Option C:	15
Option D:	11
Q20.	_____ means combining several streams of traffic into one stream.
Option A:	Synthesizing
Option B:	Amplifying
Option C:	Attenuating
Option D:	Mixing
Q21.	_____ with all its sophistication, is not suitable for interactive multimedia traffic because we cannot allow retransmission of packets.
Option A:	UDP
Option B:	IP
Option C:	TCP
Option D:	SIP

Q22.	RTP uses a temporary _____UDP port.
Option A:	Odd Numbered
Option B:	Even Numbered
Option C:	Random Numbered
Option D:	Numberless
Q23.	H.323 standard uses _____ for compression
Option A:	G.51
Option B:	G.61
Option C:	G.41
Option D:	G.71
Q24.	RTCP uses a temporary _____UDP port.
Option A:	Odd Numbered
Option B:	Even Numbered
Option C:	Random Numbered
Option D:	Numberless
Q25.	H.323 uses _____ protocol which allows the parties to negotiate the compression method.
Option A:	H.225
Option B:	H.235
Option C:	H.245
Option D:	H.255

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