

University of Mumbai
Online Examination 2020

Program: BE Electronics and Telecommunication Engineering

Curriculum Scheme: Revised 2016

Examination: Final Year Semester VII

Course Code: ECCDLO7 033 and

Course Name: Internet Communication Engineering

Time: 1 hour

Max. Marks: 50

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

Q1.	What should be the value of Time-to-live field for the DNS resource record which can be used only in a single transaction?
Option A:	1
Option B:	0
Option C:	255
Option D:	10
Q2.	If the DNS flag value is represented as 0x8D80, which of the following correctly describe this DNS message.
Option A:	standard query message
Option B:	inverse response message
Option C:	status request query message
Option D:	standard response message
Q3.	For retrieval of electronic mails, _____ is used.
Option A:	RTP
Option B:	SMTP
Option C:	POP3
Option D:	MIME

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Q4.	Identify invalid mode of TELNET
Option A:	Default Mode
Option B:	Character Mode
Option C:	Proxy Mode
Option D:	Line Mode
Q5.	Which is a not valid service offered by TCP
Option A:	Full duplex Communication
Option B:	Connection oriented service
Option C:	Unreliable Service
Option D:	stream delivery
Q6.	Sliding window used for
Option A:	Error detection
Option B:	Error correction
Option C:	Flow Control
Option D:	Congestion control
Q7.	Length of TCP header without options is----bytes
Option A:	20
Option B:	25
Option C:	40
Option D:	60

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Q8.	Which TCP timer is used to prevent a long idle connection between two TCPs
Option A:	Retransmission
Option B:	persistence
Option C:	keep alive
Option D:	time waited
Q9.	In a TCP segment with option(s) you will find
Option A:	No End of option
Option B:	One End of option
Option C:	Two End of option
Option D:	Number of End of option(s) depend on how many other options are added to segment
Q10.	In order to test the software on a machine, _____ address is useful.
Option A:	direct broadcast
Option B:	limited broadcast
Option C:	Loop back
Option D:	all-zeros
Q11.	Which of the following category does not refer to IPv6 address?
Option A:	Unicast address
Option B:	Anycast address
Option C:	Multicast address
Option D:	Broadcast address

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Q12.	ICMPv6 is _____ protocol.
Option A:	message-oriented
Option B:	byte-oriented
Option C:	stream-oriented
Option D:	packet-oriented
Q13.	In order to make sure that a specific message is from the genuine sender and not from an impostor, which of the following IPv6 extension header is useful?
Option A:	Encrypted Security Payload
Option B:	Source routing
Option C:	Fragmentation
Option D:	Authentication
Q14.	PGP(Pretty good privacy) is used in
Option A:	Email security
Option B:	Browser security
Option C:	FTP security
Option D:	WiFi security
Q15.	The AH protocol does not provide
Option A:	Integrity
Option B:	Confidentiality
Option C:	Entity authentication (data source authentication)
Option D:	Access control
Q16.	Application level security protocol is

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Option A:	PGP
Option B:	Handshake protocol
Option C:	Alert protocol
Option D:	Record protocol
Q17.	A _____ buffer is required for real-time traffic
Option A:	playback
Option B:	reordering
Option C:	sorting
Option D:	Jitter
Q18.	_____ means combining several streams of traffic into one stream.
Option A:	Translation
Option B:	Mixing
Option C:	Separation
Option D:	Jitter
Q19.	A real-time video performance lasts 10 min. If there is jitter in the system, the viewer spends _____ minutes watching the performance
Option A:	less than 10
Option B:	more than 10
Option C:	exactly 10
Option D:	Jitter don't affect time
Q20.	_____ are used to number the packets of a real-time transmission
Option A:	Timestamps

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Option B:	Playback buffers
Option C:	Sequence numbers
Option D:	Serial no
Q21.	In a real-time video conference, data from the server is _____ to the client sites.
Option A:	unicast
Option B:	multicast
Option C:	broadcast
Option D:	blocked
Q22.	In quality service, Jitter is the variation in delay for packets belonging to the
Option A:	same flow
Option B:	parallel flow
Option C:	protocol flow
Option D:	Random flow
Q23.	In which queuing method, packets are first assigned to a priority class. Each class has its own queue.
Option A:	FIFO
Option B:	priority
Option C:	weighted fair
Option D:	Random
Q24.	Which is a class-based QoS model designed for IP.
Option A:	Integrated Services

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

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Option B:	Differentiated Services
Option C:	Connection-less
Option D:	Connection-Oriented
Q25.	In which algorithm, bursty chunks are stored in the bucket and sent out at an average rate.
Option A:	leaky
Option B:	token
Option C:	Bursty
Option D:	Random