

Program: BE Computer Engineering

Curriculum Scheme: Revised 2016

Examination: Third Year Semester V

Course Code: CSC503 and Course Name: Computer 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.	In the layer hierarchy as the data packet moves from the upper to the lower layers, headers are
Option A:	Added
Option B:	Removed
Option C:	No change
Option D:	Modified
Q2.	Application layer is implemented in
Option A:	End system
Option B:	NIC
Option C:	Ethernet
Option D:	Packet transport
Q3.	Which of the following statements can be associated with OSI model?
Option A:	A structured way to discuss and easier update system components
Option B:	One layer may duplicate lower layer functionality
Option C:	Functionality at one layer no way requires information from another layer
Option D:	It is an application specific network model
Q4.	Which transmission media provides the highest transmission speed in a network?
Option A:	coaxial cable
Option B:	twisted pair cable
Option C:	optical fiber
Option D:	electrical cable
Q5.	Ground wave communication occurs in
Option A:	Low frequency band
Option B:	Medium frequency band
Option C:	Low & Medium frequency band
Option D:	High Frequency Band
Q6.	How is a unique MAC address assigned to a Network Card?

Option A:	A unique address is automatically assigned whenever you boot up the computer
Option B:	It is built into the card when the card is manufactured
Option C:	The network administrator must assign the address
Option D:	A unique address is automatically assigned when the card drivers are installed
Q7.	Which of the following tasks is not done by data link layer
Option A:	framing
Option B:	error control
Option C:	flow control
Option D:	channel coding
Q8.	The technique of temporarily delaying outgoing acknowledgements so that they can be hooked onto the next outgoing data frame is called
Option A:	piggybacking
Option B:	cyclic redundancy check
Option C:	fletcher's checksum
Option D:	parity check
Q9.	What is a primary function of the trailer information added by the data link layer encapsulation?
Option A:	Supports error detection
Option B:	Ensures ordered arrival of data
Option C:	Identifies the devices on the local network
Option D:	Provides delivery to correct destination
Q10.	Which of the following is the multiple access protocol for channel access control?
Option A:	CSMA/CD
Option B:	CSMA/CA
Option C:	Both CSMA/CD & CSMA/CA
Option D:	HDLC
Q11.	CRC stands for
Option A:	cyclic redundancy check
Option B:	code repeat check
Option C:	code redundancy check
Option D:	cyclic repeat check
Q12.	The network layer protocol for internet is
Option A:	ethernet
Option B:	internet protocol
Option C:	hypertext transfer protocol
Option D:	file transfer protocol
Q13.	The network layer protocol for internet is
Option A:	ethernet

Option B:	internet protocol
Option C:	hypertext transfer protocol
Option D:	file transfer protocol
Q14.	Which of the following protocol assign IP's dynamically to hosts available on the network?
Option A:	DHCP
Option B:	DHCP
Option C:	DHXP
Option D:	DHHP
Q15.	The IPv4 header size _____
Option A:	is 20 to 60 bytes long
Option B:	is 20 bytes long
Option C:	is 60 bytes long
Option D:	Variable length
Q16.	A leaky bucket algorithm shapes bursty traffic into fixed-rate traffic by averaging the
Option A:	Data Rate
Option B:	Average Rate
Option C:	Traffic Rate
Option D:	Traffic Shaping
Q17.	In the Network Address Translation (NAT), all the outgoing packets go through
Option A:	Global router
Option B:	Local router
Option C:	NAT router
Option D:	Private router
Q18.	In IPv4 Addresses, organizational networks are connected to the Internet via a
Option A:	Mask
Option B:	Router
Option C:	Bridge
Option D:	BUS
Q19.	An endpoint of an inter-process communication flow across a computer network is called _____
Option A:	port
Option B:	pipe
Option C:	socket
Option D:	machine
Q20.	In TCP, sending and receiving data is done as _____
Option A:	Lines of data
Option B:	Sequence of characters

Option C:	Stream of bytes
Option D:	Packets
Q21.	The _____ field is used to detect errors over the entire user datagram.
Option A:	udp header
Option B:	source port
Option C:	checksum
Option D:	destination port
Q22.	In TCP which process connection establish between client and server in Transmission Control Protocol (TCP) using SYN bit segments.
Option A:	3-way handshake
Option B:	2-way handshake
Option C:	Wait
Option D:	Finish
Q23.	Which of the protocol at transport layer provides connection-oriented service?
Option A:	UDP
Option B:	TCP
Option C:	IP
Option D:	IPX
Q24.	The File Transfer Protocol is built on which architecture.
Option A:	data centric architecture
Option B:	service oriented architecture
Option C:	client server architecture
Option D:	connection oriented architecture
Q25.	The packet of information at the application layer is called _____
Option A:	Packet
Option B:	Message
Option C:	Segment
Option D:	Frame