

Program: BE Computer Engineering

Curriculum Scheme: Revised 2016

Examination: Third Year Semester V

Course Code: **CSC503** and Course Name: **Computer Network**

Time: 1 hour

Max. Marks: 50

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

Q1.	When displaying a web page, the application layer uses the _____
Option A:	HTTP protocol
Option B:	FTP protocol
Option C:	SMTP protocol
Option D:	TCP protocol
Q2.	In FTP protocol, client contacts server using ____ as the transport protocol
Option A:	Transmission control protocol
Option B:	user datagram protocol
Option C:	datagram congestion control protocol
Option D:	stream control transmission protocol
Q3.	When the mail server sends mail to other mail servers it becomes _____
Option A:	SMTP server
Option B:	SMTP client
Option C:	Peer
Option D:	Master
Q4.	The domain name system is maintained by _____
Option A:	distributed database system
Option B:	a single server
Option C:	Client
Option D:	Stream
Q5.	The portion of physical layer that interfaces with the media access control sublayer is called
Option A:	physical signaling sublayer
Option B:	physical data sublayer
Option C:	physical address sublayer
Option D:	logical sublayer
Q6.	The physical layer is concerned with the movement of _____ over the physical medium

Option A:	program
Option B:	dialog
Option C:	protocol
Option D:	bits
Q7.	In asynchronous serial communication the physical layer provides
Option A:	start and stop signaling
Option B:	flow control
Option C:	error control
Option D:	congestion control
Q8.	The physical layer is responsible for
Option A:	line coding
Option B:	Error control
Option C:	flow control
Option D:	routing
Q9.	The physical layer translates logical communication requests from the _____ into hardware specific operations.
Option A:	data link layer
Option B:	network layer
Option C:	transport layer
Option D:	application layer
Q10.	Automatic repeat request error management mechanism is provided by _____
Option A:	Media access control sublayer
Option B:	Logical link control sublayer
Option C:	Application access control sublayer
Option D:	Network interface control sublayer
Q11.	When 2 or more bits in a data unit has been changed during the transmission, the error is called
Option A:	Random error
Option B:	Burst error
Option C:	Inverted error
Option D:	Double error
Q12.	Piconet in Bluetooth minimum of 2 and maximum of _____ peer devices
Option A:	6
Option B:	8
Option C:	9
Option D:	10
Q13.	One of the header fields in an IP datagram is the Time to Live (TTL) field. Which of the following statements best explains the need for this field?
Option A:	It can be used to prevent packet looping

Option B:	It can be used to reduce delays
Option C:	It can be used to optimize throughput
Option D:	It can be used to prioritize packets
Q14.	The address resolution protocol (ARP) is used for
Option A:	Finding the IP address from the DNS
Option B:	Finding the IP address of the default gateway
Option C:	Finding the IP address that corresponds to a MAC address
Option D:	Finding the MAC address that corresponds to an IP address
Q15.	An organization has a class B network and wishes to form subnets for 64 departments. The subnet mask would be:
Option A:	255.255.252.0
Option B:	255.255.128.0
Option C:	255.255.64.0
Option D:	255.255.0.0
Q16.	Which of the protocol at transport layer provides connection oriented service?
Option A:	UDP
Option B:	TCP
Option C:	IP
Option D:	FTP
Q17.	Transport layer aggregates data from different applications into a single stream before passing it to
Option A:	network layer
Option B:	Data link layer
Option C:	Application layer
Option D:	Session layer
Q18.	Transport layer protocols deals with
Option A:	application to application communication
Option B:	process to process communication
Option C:	node to node communication
Option D:	End to end
Q19.	The content of UDP header in hexadecimal format is “CB84000D001C001C”. What is the destination port number?
Option A:	12
Option B:	13
Option C:	28
Option D:	27
Q20.	The protocol data unit (PDU) for the transport layer in the Internet stack is_____.
Option A:	Segment

Option B:	Frame
Option C:	Data
Option D:	Message
Q21.	Which of the following transport layer protocols is used to support electronic mail?
Option A:	TCP
Option B:	UDP
Option C:	FTP
Option D:	TELNET
Q22.	When displaying a web page, the application layer uses the _____
Option A:	HTTP
Option B:	FTP
Option C:	SMTP
Option D:	UDP
Q23.	In FTP protocol, client contacts server using ____ as the transport protocol
Option A:	Transmission control protocol
Option B:	user datagram protocol
Option C:	datagram congestion control protocol
Option D:	stream control transmission protocol
Q24.	When the mail server sends mail to other mail servers it becomes _____
Option A:	SMTP server
Option B:	SMTP client
Option C:	Peer
Option D:	Master
Q25.	Which one of the following is a transport layer protocol?
Option A:	stream control transmission protocol
Option B:	internet control message protocol
Option C:	neighbor discovery protocol
Option D:	dynamic host configuration protocol