Program: Information Technology
Curriculum Scheme: Rev2016
Examination: Second Year Semester IV
Course Code: _____ and Course Name: Computer Networks

Time: 1 hour   Max. Marks: 50

==

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

Q1.	Which DNS client maps an address to a name or a name to an address especially when required by a host?
Option A:	Resolver
Option B:	Mapper
Option C:	Primary Server
Option D:	Secondary Server
Q2.	Which of the following protocols is used to retrieve emails?
Option A:	SMTP
Option B:	POP3
Option C:	SNMP
Option D:	FTP
Q3.	Which of the following protocols is used to send email?
Option A:	POP3
Option B:	SNMP
Option C:	SMTP
Option D:	FTP
Q4.	Which one of the following allows a user at one site to establish a connection to another site and then pass keystrokes from local host to remote host?
Option A:	Telnet
Option B:	FTP
Option C:	SMTP
Option D:	SNMP
Q5.	This is not a application layer protocol
Option A:	HTTP
Option B:	SMTP
Option C:	FTP
Option D:	TCP
Q6.	Telnet protocol is used to establish a connection to
Option A:	TCP port number 21
Option B:	TCP port number 22
Option C:	TCP port number 23
Option D:	TCP port number 24
Q7.	The .... is the interface through which a user can read and send mail.
Option A:	Mail user agent(MUA)

Option B:	Mail transfer agent(MTA)
Option C:	Mail delivery agent(MDA)
Option D:	Mail send agent(MSA)
Q8.	Which of the following tasks is not done by the data link layer?
Option A:	framing
Option B:	error control
Option C:	flow control
Option D:	channel coding
Q9.	Which sub layer of the data link layer performs data link functions that depend upon the type of medium?
Option A:	logical link control sublayer
Option B:	media access control sublayer
Option C:	network interface control sublayer
Option D:	error control sublayer
Q10.	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
Q11.	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
Q12.	The physical layer is concerned with _____
Option A:	bit-by-bit delivery
Option B:	process to process delivery
Option C:	application to application delivery
Option D:	port to port delivery
Q13.	Which transmission media provides the highest transmission speed in a network?
Option A:	twisted pair cable
Option B:	coaxial cable
Option C:	electrical cable
Option D:	optical fiber
Q14.	In the slow start phase of the TCP congestion control algorithm, the size of the congestion window
Option A:	does not increase
Option B:	increases linearly
Option C:	increases quadratically
Option D:	increases exponentially

Q15.	In an IPv4 datagram, the M bit is 0, the value of HLEN is 10, the value of total length is 400 and the fragment offset value is 300. The position of the datagram, the sequence numbers of the first and the last bytes of the payload, respectively are
Option A:	Last fragment, 2400 and 2789
Option B:	First fragment, 2400 and 2759
Option C:	Last fragment, 2400 and 2759
Option D:	Middle fragment, 300 and 689
Q16.	IPV4 Address is
Option A:	8 bit
Option B:	16 bit
Option C:	32 bit
Option D:	64 bit
Q17.	Which one of the following is not a function of the network layer?
Option A:	routing
Option B:	inter-networking
Option C:	congestion control
Option D:	error control
Q18.	Which of the following routing algorithms can be used for network layer design?
Option A:	shortest path algorithm
Option B:	distance vector routing
Option C:	link state routing
Option D:	all of the mentioned
Q19.	In TCP, sending and receiving data is done as _____
Option A:	Stream of bytes
Option B:	Sequence of characters
Option C:	Lines of data
Option D:	Packets
Q20.	In segment header, sequence number and acknowledgement number fields refer to _____
Option A:	Byte number
Option B:	Buffer Number
Option C:	Segment Number
Option D:	Acknowledgement
Q21.	
Option A:	
Option B:	
Option C:	
Option D:	

Q22.	
Option A:	
Option B:	
Option C:	
Option D:	
Q23.	
Option A:	
Option B:	
Option C:	
Option D:	
Q24.	
Option A:	
Option B:	
Option C:	
Option D:	
Q25.	
Option A:	
Option B:	
Option C:	
Option D:	