

University of Mumbai
Examination 2020 under cluster 4 (PCE)

Program: BE Computer Engineering
Curriculum Scheme: Rev2012
Examination: Third Year Semester V
Course Code: CPC504 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.	What is the correct order of the operations of OSPF? i – Hello packets ii – Propagation of link-state information and building of routing tables iii – Establishing adjacencies and synchronization of database
Option A:	i-ii-iii
Option B:	i-iii-ii
Option C:	iii-ii-i
Option D:	ii-i-iii
Q2.	Which service requires to establish connection and after using terminate connection to access network service?
Option A:	Connection-oriented
Option B:	Connection-less
Option C:	Service-oriented
Option D:	Service-less
Q3.	In cyclic redundancy checking, what is redundancy?
Option A:	The remainder
Option B:	The quotient
Option C:	The divisor
Option D:	The dividend
Q4.	In the Token Ring, the _____ sets the bits in the frame status field to indicate that the frame has already been around the ring
Option A:	Sender
Option B:	Receiver
Option C:	Transmitter
Option D:	Monitor
Q5.	The computation of the shortest path in OSPF is usually done by _____
Option A:	Bellman-ford algorithm
Option B:	Routing information protocol
Option C:	Link state routing
Option D:	Distance vector routing
Q6.	Which of the following communications modes support two-way traffic but in only one direction at a time?
Option A:	Simplex

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Option B:	Half-duplex
Option C:	Three-quarters duplex
Option D:	Full duplex
Q7.	Which of the following is not a protocol in the FDDI Standard?
Option A:	PMD
Option B:	PHY
Option C:	MAC
Option D:	HDLC
Q8.	What is the size of Source and Destination IP address in IPv4 header
Option A:	4 bits
Option B:	48 bits
Option C:	32 bits
Option D:	128 bits
Q9.	Which of the following devices takes data sent from one network device and forwards it to the destination node based on MAC address?
Option A:	Hub
Option B:	Modem
Option C:	Gateway
Option D:	Switch
Q10.	TCP processes may not write and read data at the same speed. So we need _____ for storage.
Option A:	Buffers
Option B:	Packets
Option C:	Segments
Option D:	Stack
Q11.	In which network communication channel is shared by all the machines?
Option A:	Unicast Network
Option B:	Broadcast Network
Option C:	Multicast Network
Option D:	Broadcast and Multicast Networks
Q12.	To achieve reliable transport in TCP, _____ is used to check the safe and sound arrival of data.
Option A:	Packet
Option B:	Buffers
Option C:	Acknowledgment
Option D:	Segment
Q13.	A malicious attacker sends a large number of SYNC segments to a server, pretending that each of them is coming from a different client by faking the source IP address in the datagram. Which type of attack is being performed in this situation?
Option A:	SYNC flooding attack

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Option B:	Active attack
Option C:	Passive attack
Option D:	Reconnaissance
Q14.	Size of TCP segment header ranges between _____
Option A:	16 and 32 bytes
Option B:	16 and 32 bits
Option C:	20 and 60 bits
Option D:	20 and 60 bytes
Q15.	Which type of Propagation follows the curvature of the planet
Option A:	Skywave
Option B:	Ground
Option C:	Line of sight
Option D:	Air
Q16.	If a server has no clue about where to find the address for a host name then _____
Option A:	Request is not processed
Option B:	Server asks to the root server
Option C:	Server asks to its adjacent server
Option D:	Not a problem
Q17.	In the network HTTP resources are located by
Option A:	uniform resource identifier
Option B:	unique resource locator
Option C:	unique resource identifier
Option D:	union resource locator
Q18.	DNS client is called _____
Option A:	DNS handler
Option B:	DNS resolver
Option C:	DNS updater
Option D:	DNS viewer
Q19.	The _____ is the physical path over which a message travels.
Option A:	Protocol
Option B:	Signal
Option C:	Medium
Option D:	Channel
Q20.	SNMP uses two other protocols:
Option A:	MIB, SMTP
Option B:	FTP, MIB
Option C:	SMI, MIB
Option D:	FTP, SMI
Q21.	In Network Management System, the division that is responsible for controlling

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	access to network based on a predefined policy is called _____
Option A:	Active Management
Option B:	Fault Management
Option C:	Secured Management
Option D:	Security Management
Q22.	The _____ field determines the lifetime of IPv6 datagram
Option A:	Hop limit
Option B:	TTL
Option C:	Next header
Option D:	Type of traffic
Q23.	Token Ring and FDDI, both use _____ as an access method.
Option A:	CSMA
Option B:	Token Passing
Option C:	HDLC
Option D:	Polling
Q24.	Which field helps to check rearrangement of the fragments
Option A:	Offset
Option B:	Flag
Option C:	TTL
Option D:	Identifier
Q25.	In cyclic redundancy checking, the generator is _____ the data word
Option A:	The same size as
Option B:	Smaller than
Option C:	Greater than
Option D:	Not related to

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

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