

Program: BE Computer Engineering

Curriculum Scheme: Revised 2012

Examination: Third Year Semester V

Course Code: CPC 504 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.	Which of the following is not physical layer vulnerability?
Option A:	Physical theft of data & hardware
Option B:	Physical damage or destruction of data & hardware
Option C:	Unauthorized network access
Option D:	Keystroke & Other Input Logging
Q2.	The layer that are used to deal with the mechanical and electrical specifications are
Option A:	Physical layer
Option B:	Data link layer
Option C:	Network layer
Option D:	Transport layer
Q3.	What layer in the TCP/IP stack is equivalent to the Transport layer of the OSI model?
Option A:	Application
Option B:	Host-to-Host
Option C:	Internet
Option D:	Network Access
Q4.	Circuit Switching takes place at the
Option A:	Session Layer
Option B:	Application Layer
Option C:	Data Link Layer
Option D:	Physical Layer
Q5.	Most packet switches use this principle _____
Option A:	Stop and wait
Option B:	Store and forward
Option C:	Store and wait
Option D:	Stop and forward
Q6.	A single channel is shared by multiple signals by _____

Option A:	analog modulation
Option B:	digital modulation
Option C:	multiplexing
Option D:	phase modulation
Q7.	In cyclic redundancy checking, what is the CRC?
Option A:	The Divisor
Option B:	The Quotient
Option C:	The dividend
Option D:	The remainder
Q8.	The _____ between two words is the number of differences between corresponding bits?
Option A:	Hamming code
Option B:	Hamming distance
Option C:	Hamming rule
Option D:	No difference measured
Q9.	The CSMA/CD is used to avoid _____
Option A:	Errors
Option B:	Multiple access
Option C:	Point to point access
Option D:	collision
Q10.	After performing bit stuffing on the following stream : 0110111111111111110010, the output is-
Option A:	01101111101111101111100010
Option B:	01101111111111111110010111
Option C:	10010000000000000000001101
Option D:	01101111111111111111110010
Q11.	The original aloha protocol is called
Option A:	Simple aloha
Option B:	Pure aloha
Option C:	CSMA
Option D:	FDMA
Q12.	Default network mask for CLASS A is
Option A:	255.0.0.0
Option B:	255.255.0.0
Option C:	255.255.255.0
Option D:	255.255.255.255
Q13.	What is the maximum number of IP addresses that can be assigned to hosts on a local subnet that uses the 255.255.255.224 subnet mask?

Option A:	14
Option B:	15
Option C:	30
Option D:	62
Q14.	In link state routing updating packets are sent
Option A:	Periodically
Option B:	When there is change
Option C:	When they were arrived
Option D:	When receiver allows
Q15.	 protocol is a popular example of a link-state routing protocol.
Option A:	SPF
Option B:	BGP
Option C:	RIP
Option D:	OSPF
Q16.	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
Q17.	SYNC flooding attack belongs to a type of security attack known as _____
Option A:	SYNC flooding attack
Option B:	Denial-of-service attack
Option C:	Passive attack
Option D:	Active attack
Q18.	Which multiplexing technique used to transmit digital signals?
Option A:	TDM
Option B:	FDM
Option C:	WDM
Option D:	FDM & WDM
Q19.	The TCP sliding window
Option A:	can be used to control the flow of information
Option B:	occurs horizontally
Option C:	always occurs when the field value is 0
Option D:	always occurs when the field value is 1

Q20.	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:	HTTP
Option B:	FTP
Option C:	Telnet
Option D:	TCP
Q21.	Which one of the following is an internet standard protocol for managing devices on IP network?
Option A:	dynamic host configuration protocol
Option B:	simple network management protocol
Option C:	internet message access protocol
Option D:	media gateway protocol
Q22.	FTP server listens for connection on port number?
Option A:	20
Option B:	21
Option C:	22
Option D:	23
Q23.	In OSPF, which protocol is used to discover neighbor routers automatically?
Option A:	Link state protocol
Option B:	Error-correction protocol
Option C:	Routing information protocol
Option D:	Hello protocol
Q24.	The application-level protocol in which a few manager stations control a set of agents is called _____
Option A:	HTML
Option B:	TCP
Option C:	SNMP
Option D:	SNMP/IP
Q25.	The process of verifying the identity of a user.
Option A:	Authentication
Option B:	Identification
Option C:	Validation
Option D:	Verification