

NADAR SARSWATHI COLLEGE OF ENGINEERING AND TECHNOLOGY, THENI.

Course/Branch : B.E/ECE	Year / Semester : III/V	Format No.	NAC/TLP-07a.13
Subject Code : EC8551	Subject Name : Communication Networks	Rev. No.	02
Unit No : 3	Unit Name : ROUTING	Date	30.09.2020

OBJECTIVE TYPE QUESTION BANK

S. No.	Objective Questions (MCQ /True or False / Fill up with Choices)	BTL
1.	Which of the following is required to communicate between two computers? (A) communications software (B) protocol (C) communication hardware (D) all of above including access to transmission medium	L2
2.	Terminals are required for (A) real-time, batch processing & time-sharing (B) real time, time-sharing & distributed message processing (C) real time, distributed processing & manager inquiry (D) real-time, time sharing & message switching	L5
3.	The first collision free protocol is (A) Binary countdown (B) Basic bitmap (C) Reservation protocol (D) SAP	L6
4.	Sending of a IP packet from host 1 to host 2 where both are of same LAN but the packet is transferred through different intermediate LANs is called (A) Tunnelling (B) Routing (C) Diverting (D) Forwarding	L2
5.	LANs can be connected by a device called (A) Routers (B) Modems (C) Ethernet card (D) Bridges	L5
6.	In all frames are given to the computer, not to those addressed. (A) Promiscuous mode (B) Miscues mode (C) Normal mode (D) Special Mode	L5
7. Algorithm is used in transparent bridges. (A) Forward Learning (B) Backward Learning (C) Reverse Backward Learning (D) Reverse Forward Learning	L6
8.	In each packet of a message need not follow the same path From sender to receiver. (A) Circuit switching (B) message switching (C) a virtual approach to packet switching (D) The datagram approach to packet switching	L4
9.	FDDI is an acronym for (A) Fast data delivery interface (B) Fiber distributed data interface (C) Fiber distributed digital interface (D) fast distributed data interface	L2
10.	The address field of a frame in HDLC protocol contains the address of the station. (A) primary (B) secondary (C) tertiary (D) a station	L4
11. bridge operates in promiscuous mode. (A) Transparent bridge (B) Selective flooding (C) Source Routing (D) Remote Bridges	L1

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12.	In transmission, the channel capacity is shared by both communicating devices at all times. (A) Simplex (B) half-duplex (C) full-duplex (D) automatic	L1
13.	The DNS name space is divided into non overlapping (A) regions (B) blocks (C) divisions (D) zones	L3
14.	Source routing bridges in the same LANs must have bridge Number. (A) Same (B) Different (C) Source (D) Destination	L5
15.	Repeater function in the layer. (A) Physical (B) Data link (C) Network (D) None of these	L6
16.	A repeater takes a weakened or corrupted signal and it. (A) Amplifies (B) Regenerates (C) Resample (D) Reroute	L2
17.	The PSTN is an example of network. (A) packet-switched (B) circuit-switched (C) message-switched (D) TSI	L5
18.	In a time division switch, a governs the destination of a packet stored in RAM. (A) TDM bus (B) cross bar (C) cross point (D) control unit	L6
19.	How many cross points are needed in a single stage switch with 40 inputs and 50 outputs. (A) 40 (B) 50 (C) 90 (D) 2000	L2
20.	The of A TSI controls the order of delivering of slot values that are stored in RAM. (A) cross bar (B) cross point (C) control unit (D) transceiver	L5
21.	The problem of a station not being able to detect a potential competitor for the medium because it thinks that there is activity between them is called (A) Exposed Station Problem (B) Collision Avoidance Problem (C) Hidden Station Problem (D) Access Grant Problem	L5

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22.	Protocols in which stations listen for a carrier and act accordingly are (A) ALOHA (B) Multiple access (C) Station Model (D) CSMA	L6
23.	What is the port number for (Trivial File Transfer Protocol) TFTP? (A) 65 (B) 67 (C) 63 (D) 69	L4
24.	What is the port number for Gopher services? (A) 23 (B) 70 (C) 80 (D) 71	L2
25.	Firewalls are used for (A) routing (B) security (C) tunnelling (D) congestion control	L4
26.	To translate the message semantics from one format to other, is used. (A) application gateway (B) transport gateway (C) session gateway (D) network gateway	L1
27.	The routing algorithm within each network is (A) Routing information protocol (B) Exterior gateway protocol (C) Interior gateway protocol (D) Middle gateway protocol	L1
28.	Fragmentation means (A) adding of small packets to form large packet (B) breaking large packet into small packets (C) combining large packets in to a single packet (D) forwarding a packet through different networks	L3
29.	Bridges are used at layer. (A) Physical layer (B) MAC layer (C) Network (D) Transport	L5
30.	Routers are used at layer. (A) Physical layer (B) MAC layer (C) Network (D) Transport	L6
31.	BSC stands for (A) Binary synchronous control (B) Binary synchronous communication (C) Bit-oriented synchronous communication (D) Byte-oriented synchronous communication	L2

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32.	HDLC is an acronym for (A) high - duplex line communication (B) high -level data link control (C) half - duplex digital link combination (D) host double level circuit	L6
33.	Decryption and Encryption of data are the responsibility of which of the following layer? (A) Session layer (B) Network layer (C) Transport layer (D) Presentation layer	L2
34.	The components in the domain name space are separated by (A) Comma (B) Dot (C) Colon (D) Semi colon	L1
35. protocol is used for constant bit rate. (A) AAL1 (B) AAL2 (C) AAL ¾ (D) AAL5	L3
36.	In ATM network message is used by a source host to set up a connection. (A) SET UP (B) Call PROCEEDING (C) CONNECT (D) RELEASE	L5
37.	How many class A, B and C networks IDs can exist? (A) 2,113,658 (B) 16,382 (C) 126 (D) 128	L5
38.	Which of the following TCP/IP internet protocol, a diskless machine uses to obtain its IP address from a server? (A) RDP (B) ARP (C) RARP (D) RIP	L6
39.	A single transport layer connection split and connects the different network connections is called (A) Upward multiplexing (B) Downward multiplexing (C) Congestion control (D) None of these	L2
40.	What type of addressing is specifically used by the transport layer? (A) station address (B) application program port address (C) dialog address (D) network address	L5