

Name: \_\_\_\_\_ Hall Ticket No. 

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**Answer All Questions. All Questions Carry Equal Marks. Time: 20 Min. Marks: 10.****I Choose the correct alternative:**

1. Segments of a LAN are connected through [     ]  
a. Passive hub            b. Repeater            c. Active hub            d. Bridges
2. The ports which are not a part of spanning tree are called as [     ]  
a. Forwarding ports    b. Blocking ports    c. Backward ports    d. Non-blocking port
3. Which class is used for multicasting in IPV4 addresses [     ]  
a. A                        b. B                        c. C                        d. D
4. Which of the following address belongs to IPV6 [     ]  
a. Unicast                b. Any cast                c. Multicast                d. All of the above
5. Differentiated services was introduced by [     ]  
a. IEEE                    b. IETF                    c. IEIF                    d. IEFT
6. Which one of the following does not belongs to flow characteristics [     ]  
a. Reliability            b. delay                    c. jitter                    d. Bursty traffic
7. The maximum data rate of the traffic is defined by [     ]  
a. Average data rate    b. Peak data rate        c. Effective data rate    d. Maximum data rate
8. The regions in Hierarchical routing are grouped in to \_\_\_\_\_ [     ]  
a. Clusters                b. Zones                    c. Blocks                    d. Cells
9. In shortest path routing algorithm, the path length is measured based on \_\_\_\_ [     ]  
a. Time delay            b. Number of hops        c. Size of the routers    d. Routing table
10. Sending a packet to all destinations simultaneously is called \_\_\_\_\_ [     ]  
a. Multicasting            b. Unicasting            c. Telecasting            d. Broadcasting

**II Fill in the blanks**

11. STS stands for\_\_\_\_\_
12. The \_\_\_\_\_ addresses in a frame is not changed by a bridge.
13. The length of IPV4 address is\_\_\_\_\_ bits.
14. IPV4 can address upto \_\_\_\_\_ devices.
15. In IPV4 layer, packets are also known as\_\_\_\_\_
16. If route from router I to router J is computed on line based on the current statistics, then it is called as \_\_\_\_\_
17. Flow control policy is implemented in \_\_\_\_\_
18. The size of the TCP congestion window depends on\_\_\_\_\_
19. The FIN bit in the TCP header represents\_\_\_\_\_
20. ATM multiplexes cells using\_\_\_\_\_

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