Roll No ....

CS-8201-GS
B.E. VIII Semester
Examination, December 2020
Grading System (GS)
Network Management
Time : Three Hours

Maximum Marks : 70

Note: i)   Attmept any five questions.

ii) All questions carry equal marks.

1. a) Write the various types of ICMP messages.

    b) Explain SMTP in brief. What is user agent and message transfer agent in SMTP.

2. a) What is VPN and why is it needed? Discuss VPN host management in brief.

    b) What is CIDR? Why CIDR also called supernetting?

3. a) What is IP routing? Explain, how Indirect routing is different from Direct routing?

    b) BGP is also distance vector protocol. How is it different from RIP?

4. a) " TCP is a connection-oriented, reliable protocol". Justify the statement.

    b) Write down different special address. Also justify their importance in networking.

5. a) Write comparison IPv4 and IPv6.

    b) Write comparison between static and dynamic routing.

6. a) What do you mean by Address mapping? Discuss ARP operation with a diagram.

    b) What is the purpose of using extension headers in IPv6?

7. a) Explain TCP connection establishment and termination process with the help of state transition diagram.

    b) Give a brief note on Telnet protocol and file transfer protocol.

8. Write short note on:
    a) NAT
    b) SGMP
    c) VPM

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