Roll No ....

CS-8004(3)-CBGS
B.E. VIII Semester
Examination, December 2020
Choice Based Grading System (CBGS)
Advance Computer Networks

Time : Three Hours

Maximum Marks : 70

Note: i) Attempt any five questions.

ii) All questions carry equal marks.

1. a) Explain the different layer and function of ISO-OSI model with the help of diagram.

   b) What are the needs of packet switching? Explain working of packet switching and also methods for packet switching.

2. a) What do you understand by computer network. Differentiate between LAN, MAN and WAN.

   b) What is TCP/IP model? Explain the function and protocol and services of each layer.

3. a) How flow control and error control issues are handled in TCP protocol?

   b) Draw the IP header neatly and explain the function of each field. List major differences between IPv4 and IPv6.

4. What is multicasting? Discuss a multicasting routing protocol of your choice with an example.

5. Explain the following term.
    i)   FTP
    ii)   OSPF

6. a)   What is VPN? Discuss the concept of VPN addressing.
    b)   Explain VPN Host management.

7. a)   Give the network architecture and management of GSM system.
    b)   Write a short note on Hiper LAN?

8. Write short notes on any two:
    a)   IEEE Standards
    b)   DHCP
    c)   GSM

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