Total No. of Questions : 9]   [Total No. of Pages : 3

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B.Tech. (ECE) 6th Semester (Supplementary)
Examination, July–2021
(G Scheme)

COMPUTER NETWORK
Paper–PCC–ECE–304–G

Time : **Three Hours**]   [*Maximum Marks : 75*

Before answering the questions, candidates should ensure that they have been supplied the correct and complete question paper. No complaint in this regard, will be entertained after examination.

Note :– Question No. 1 is compulsory and attempt *one* question from each Unit.

1. Write short notes on the following :

   (a) Packet switching

   (b) Ring topology

   (c) Bridges

(d) Switches

(e) IP

(f) FTP   15

Unit–I

2. Describe the various network types in detail.   15

3. (a) Explain the performance of the transmission media.

    (b) Describe the various layers of TCP/IP protocol.   7½,7½

Unit–II

4. Describe the various services of DLC in detail.   15

5. (a) What is IEEE 802.11 ? Explain.

    (b) Explain the various ALOHA protocols. 7½,7½

Unit–III

6. (a) Explain performance of Network layer services.

    (b) Explain overview of IPv6 in detail.   7½,7½

7. (a) Differentiate between Classless and Classful Addressing.

    (b) What is IGMP ? Explain.   7½,7½

8. (a)

     (b)

9. (a)

     (b)

Unit–IV

8. (a) What are Transport Layer Protocols ?

   (b) Compare Connectionless and Connection Oriented Services. 7½,7½

9. (a) What is FTP ? Explain in detail.

   (b) Explain user datagram protocols. 7½,7½