

Roll No. : .....

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*

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*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.*

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*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

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**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

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**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

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