

### UNIT - I

2. Give a complete description about ISO-OSI reference model. 15
3. Define Network Topology. Explain different types topologies in detail. 15

### UNIT - II

4. What do you mean by CSMA ? Explain CSMA/CD and CSMA/CA with a diagram. 15
5. Explain IEEE802 standards in detail. 15

### UNIT - III

6. Explain the IPV4 and IPV6. What is the difference between IPV4 and IPV6. 15
7. Explain the functions of following protocols. : 15
- (a) ICMP
  - (b) BOOTP
  - (c) IGMP

3324- (P-3)(Q-9)(23) ( 2 )

### UNIT - IV

8. (a) What do you mean by Transmission Control Protocol Header ? Explain in detail. 8
- (b) Compare and contrast TCP & UDP. Also draw headers of both. 7
9. Describe the following : 15
- (a) HTTP
  - (b) WWW

3324- (P-3)(Q-9)(23) ( 3 )

Roll No. ....

**3324**

**B. Tech. 6th Semester (ECE)**

**Examination – May, 2023**

**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 :** Attempt *five* questions in all, selecting *one* question from each Unit. Question No. 1 is *compulsory*. All questions carry equal marks.

1. Explain the following : 2.5 × 6 = 15
- (a) DATA COMMUNICATION
  - (b) REPEATER
  - (c) FAST ETHERNET
  - (d) ARP
  - (e) DQDB
  - (f) PACKET SWITCHING