

Roll No.

OLE-3228
B. Tech. 5th Semester (CSE)
Examination – April, 2021

COMPUTER NETWORKS

Paper : PCC-CSE-303-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* question in all, selecting *one* question from each Unit. Question No. **1** is *compulsory*.

1. Answer the following questions :

- (a) What is DQDB ?
- (b) What is HTTP ?
- (c) What is NAT ?
- (d) What is Modulation ?

(e) What is DHCP and why it is used ?

(f) What is Sliding window protocol ?

UNIT – I

2. What is TCP/IP Model ? Explain function and protocols of each layer.

3. (a) Explain different type of transmission media briefly.

(b) What is multiplexing ? Explain different type of multiplexing.

UNIT – II

4. Explain various LAN interconnecting device briefly.

5. (a) What are functions of MAC layer ?

(b) What is IPV4 and IPv6 ? Explain the frame structure of IPv6.

UNIT – III

6. What do you mean by routing ? Explain link state routing algorithm.

7. Explain :

- (i) UDP
- (ii) FTP
- (iii) SNMP
- (iv) DNS

UNIT – IV

8. What is SONET ? Explain the SONET architecture.

9. (a) What is ciphers ? What are two type of ciphers ?
Explain.

(b) What are the different type of attack ? Explain.
