

No. of Printed Pages : 03

Roll No.

18E3

B. Tech. EXAMINATION, June 2023

(Sixth Semester)

(C-Scheme) (Main & Re-appear)

(Common for All Branches)

CSE305C

COMPUTER NETWORKS

Time : 3 Hours]

[Maximum Marks : 75

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

Note : Attempt *Five* questions in all, selecting at least *one* question from each Unit. All questions carry equal marks.

Unit I

1. Explain ARPANET. **15**
2. Explain the following in reference to OSI reference model : **15**
 - (a) Layered Architecture
 - (b) Functions of each layer.

Unit II

3. Explain IP addressing with suitable example. **15**
4. Explain the following : **15**
 - (a) ICMP
 - (b) IPv6.

Unit III

5. Explain the process of channel allocation. Also describe Token Passing. **15**
6. Differentiate and explain Switches and Gateways. **15**

Unit IV

7. Describe Synchronous Digital Hierachy (SDH). **15**
8. Explain the following quality control techniques : **15**
 - (a) Quality Firewalls
 - (b) SSL.