



# TONTADARYA COLLEGE OF ENGINEERING

Department of Computer Science & Engineering  
Internal Assessment – II 18CS52

Subject : Computer Networks and Security

Date : 20-12-2021

Semester : 5<sup>th</sup>

Time : 12.00 to 1.30pm

Answer following questions choosing one question from each part

Total Marks: 50

## PART-A

- Q1. a) Explain Link State and Bellman ford algorithm with example 13 M (CO2)  
b) Explain principles of reliable data transfer 12 M (CO2)

- Q2. a) Explain rdt 2.0,2.1 13 M (CO2)  
b) Explain rdt3.0 and subnetting 12 M (CO2)

## PART-B

- Q3. a) Explain router architecture in detail. – 13 M (CO3)  
– b) Explain Go-Back –N and SR protocol in detail. – 12 M (CO2)

- Q4. a) Explain ICMP ,DHCP CIDR in detail 13 M (CO2)  
b) Explain IPv4 message format and IPv6 transition 12 M (CO3)

\*\*\*\*\* ALL THE BEST \*\*\*\*\*

CO2	Outline transport layer services and infer UDP and TCP protocols (CO2)
CO3	Classify routers, IP and Routing Algorithms in network layer (CO3)