

Roll No



**PRESIDENCY UNIVERSITY
BENGALURU**

**SCHOOL OF INFORMATION SCIENCE
MID TERM EXAMINATION - APR 2023**

Semester : Semester IV - 2021

Course Code : CSA2004

Course Name : Sem IV - CSA2004 - Computer Networks

Program : BSD

Date : 15-APR-2023

Time : 9.30AM - 11.00AM

Max Marks : 50

Weightage : 25%

Instructions:

- (i) Read all questions carefully and answer accordingly.*
- (ii) Question paper consists of 3 parts.*
- (iii) Scientific and non-programmable calculator are permitted.*
- (iv) Do not write any information on the question paper other than Roll Number.*

PART A

ANSWER ALL THE QUESTIONS

(5 X 2 = 10M)

1. Define Network and Topology
(CO1) [Knowledge]
2. Compare star and mesh topology.
(CO1) [Knowledge]
3. Explain Baseband, Broadband
(CO1,CO2) [Knowledge]
4. List the advantages and disadvantage of Star Topology
(CO2,CO1) [Knowledge]
5. Explain SNR,SNRDB
(CO2) [Knowledge]

PART B

ANSWER ALL THE QUESTIONS

(4 X 5 = 20M)

6. Describe different types of Data Flow with neat diagram?
(CO1) [Comprehension]
7. Explain the Selective Repeat ARQ
(CO2) [Comprehension]

8. What is Parity checking? Explain with an example.

(CO2) [Comprehension]

9. Explain Network Criteria.

(CO2) [Comprehension]

PART C

ANSWER ALL THE QUESTIONS

(2 X 10 = 20M)

10. Describe in detail different types of Transmission Media with neat diagram

(CO2) [Application]

11. Explain Stop and Wait and Simplest Protocols with design diagram and Flow Diagram

(CO2) [Application]