

Roll No



**PRESIDENCY UNIVERSITY
BENGALURU**

**SCHOOL OF ENGINEERING
MID TERM EXAMINATION - DEC 2023**

Semester : Semester V - B.Tech CSE - 2021

Course Code : CSE3055

Course Name : Sem V - CSE3055 - Wireless Communication In lot

Program : B.Tech. Computer Science and Engineering

Date : 26-DEC-2023

Time : 12:00 PM - 3:53 AM

Max Marks : 50

Weightage : 50%

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. Show the single and multi Hop architecture with a suitable diagram. (CO1) [Knowledge]
2. Classify the transceivers States. (CO2) [Knowledge]
3. Select the most crucial layers influencing in network Architecture (CO2) [Knowledge]
4. Select the mechanisms that will form typical parts of WSN (CO1) [Knowledge]
5. Contrast Layered Architecture over Clustered Architecture (CO2) [Knowledge]

PART B

ANSWER ALL THE QUESTIONS

(2 X 10 = 20M)

6. Explain in detail the Optimization Goals and Figures of Merit of WSN ? (CO1) [Comprehension]
7. Choose the QoS attributes in WSN highly depend on the applications, and explain each in detail (CO2) [Comprehension]

PART C

ANSWER THE FOLLOWING QUESTION

(1 X 20 = 20M)

8. Express the effectiveness of the various scenarios of Sensor Networks Architecture with suitable diagrams

(CO2) [Application]