Roll No											

PRESIDENCY UNIVERSITY
BENGALURU

SCHOOL OF ENGINEERING
MID TERM EXAMINATION - APR 2023

Semester : Semester VI - 2020
Course Code : CSE3055
Course Name : Sem VI - CSE3055 - Wireless Communication in IOT
Program : CIT

Date : 13-APR-2023
Time : 11.30AM - 1.00PM
Max Marks : 60
Weightage : 30%

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. With a relavent example ,Write the concept of data aggregation?

(CO1) [Knowledge]

2. What are gateway concepts?

(CO1) [Knowledge]

3. Explain with Neat Diagram of energy consumption in WSN.

(CO1) [Knowledge]

4. Write the importance of TinyOS?

(CO1,CO2) [Knowledge]

5. Differentiate between a source node and sink node with figure

(CO2) [Knowledge]

PART B

ANSWER ALL THE QUESTIONS **(4 X 5 = 20M)**

6. With a neat diagram,Explain the mobility scenarios.

(CO1) [Comprehension]

7. How does wireless sensor network work, with neat diagram?

(CO3) [Comprehension]

8. Write any five applications of WSN

(CO2) [Comprehension]

9. Explain in detail the characteristics and states of Transceivers

(CO4) [Comprehension]

PART C

ANSWER ALL THE QUESTIONS **(2 X 15 = 30M)**

10. what are the factors to be balanced for the choice of modulation techniques with examples

(CO1) [Application]

11. With a neat diagram, Describe a Single Node Architecture in a Wireless Sensor Network

(CO2) [Application]