PRESIDENCY UNIVERSITY
BENGALURU

SCHOOL OF ENGINEERING
MID TERM EXAMINATION - OCT 2023

Semester : Semester V - 2021
Course Code : CSE3055
Course Name : Sem V - CSE3055 - Wireless Communication In Iot
Program : B.TECH

Date : 31-OCT-2023
Time : 11:30AM - 1:00PM
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 a WSN with Diagram.

                                                                (CO1) [Knowledge]

2. Write the three options for a sink

                                                                (CO2) [Knowledge]

3. Compare event based over processed based programming of operating systems and execution environment.

                                                                (CO2) [Knowledge]

4. List the major challenges faced by WSN.

                                                                (CO1) [Knowledge]

5. Differentiate between source node and Sink node in Sensor network

                                                                (CO2) [Knowledge]

PART B

ANSWER ALL THE QUESTIONS   (2 X 10 = 20M)

6. Outline the various aspects of Energy efficiency and its operation in WSN.

                                                                (CO1) [Comprehension]

7. Explain the Complexities that are faced by WSN When integrated in to IOT frame work.

                                                                (CO2) [Comprehension]

ANSWER THE FOLLOWING QUESTION   **(1 X 20 = 20M)**

8. Discribe the following in detail. With suitable diagram
      a) Enabling Technologies for IOT and WSN
       b) Gateway Concepts

(CO2) [Application]