SPRING MID SEMESTER EXAMINATION-2023

School of Computer Engineering
Kalinga Institute of Industrial Technology, Deemed to be University
Internet of Things
[IT-3007]

Time: 1 1/2 Hours   Full Mark: 20

Answer any four Questions including Q.No.1 which is Compulsory.
The figures in the margin indicate full marks. Candidates are required to give their answers in their own words as far as practicable and all parts of a question should be answered at one place only.

Q1   Answer all the questions.   [1 x 5]

a)   State the characteristics of IoT.

b)   What is wireless sensor network & its applications?

c)   What are the protocols associated with network/internet layer of IoT?

d)   What is the difference between a physical entity and virtual entity?

e)   What is the difference between M2M & IOT?

Q2   Compare the differences between REST API and Web Socket API.   [5 Marks]

Q3   Describe how the environment can be more protected with the help of IOT   [5 Marks]
          technology in the following categories

          a) Air Polution Monitoring & b) Noise Polution Monitoring

Q4   a)   List out various steps involved in IOT system design methodology.   [2 Marks]

      b)   Describe the domain model specification in IOT system design   [3 Marks]
            methodology.

Q5   With the help of neat diagrams, describe the level 4 & level 5 of IoT   [5 Marks]
          system.

*** Best of Luck ***