



Spring MID SEMESTER EXAMINATION – 2019

SCHOOL OF COMPUTER ENGINEERING

KALINGA INSTITUTE OF INDUSTRIAL TECHNOLOGY - DEEMED TO BE UNIVERSITY

8th Semester B. Tech. (IT)

INTERNET OF THINGS

(IT - 4044)

Time: 1.5 Hours

Full Marks: 20

Answer any four questions including question 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 the following questions: (5 x 1)
- a) What is the significance of IoT in modern society?
 - b) Mention any four popular applications of IoT.
 - c) Highlight some important characteristics of IoT.
 - d) Name any four protocols used in IoT applications.
 - e) Write down some challenges faced while designing an IoT based application.
- Q2 Discuss the building blocks of IoT with a diagrammatic illustration. (5)
- Q3 Why communication model is required in IoT design? Explain Request-Response communication model with a suitable diagram. (5)
- Q4 Differentiate between IoT level 2 and IoT level 3 deployment levels with example. (5)
- Q5 Describe any one real-time application of IoT with example (5)