

Mid-Semester Examination-2018
School of Computer Engineering
Kalinga Institute of Industrial Technology (KIIT)
Deemed to be University, Bhubaneswar-24
Sub: Internet of Things (IT-4044)
8th Sem, CSE &IT

Time: 1 hr 30 min

Full Mark: 25

(Answer Any Five Questions including Q1)

- Q1. Answer all questions** [1×5]
- a. What do you mean by Internet of Things?
 - b. Why do IoT systems have to be self-adapting and self-configuring?
 - c. What Is The Difference Between The Internet Of Things (iot) And The Sensor Business?
 - d. How Does The Internet Of Things (iot) Work?
 - e. Difference between M2M and IoT (any four points of difference).
- Q2.** [2.5+2.5]
- a. Briefly explain the characteristics of IoT.
 - b. What Risks And Challenges Should Be Considered In The Internet Of Everything?
- Q3** [2.5+2.5]
- a. Draw the generic block diagram of IoT devices and explain each components of the diagram.
 - b. What Impacts Will The Internet Of Things (iot) Have On Manufacturing Sector?
- Q4.** [2.5+2.5]
- a. Briefly describe exclusive pair communication model with a neat diagram.
 - b. What do you mean by Communication APIs? Explain about WebSocket based Communication APIs.
- Q5.** Describe level-4 of IoT system with a neat diagram. [5]
- Q6.** [2.5+2.5]
- a. How IoT is applied to monitor environment? Explain with case study.
 - b. What is the use of Smart Vending machine? Explain with an example.
- Q7.** Write short notes on any two [2.5+2.5]
- a. REST Communication
 - b. Home Intrusion Detection
 - c. Smart Parking