

H

Roll No. 2298038

**TCS-331**

**B. TECH. (CSE) (THIRD SEMESTER)**

**MID SEMESTER**

**EXAMINATION, Oct., 2023**

**FUNDAMENTAL OF IOT**

**Time : 1½ Hours**

**Maximum Marks : 50**

**Note :** (i) Answer all the questions by choosing any *one* of the sub-questions.

(ii) Each sub-question carries 10 marks.

1. (a) Write down the specific definition of Internet of Things (IoT). Describe the various characteristics of IoT devices.

(CO1)

OR

- (b) Draw the neat and clean block diagram of IoT and explain about each of the blocks.

(CO1)

**P. T. O.**

(2)

TCS-331

2. (a) What are the application areas of IoT devices ? Write about the various applications of IoT devices in numerous area. (CO1)

OR

- (b) What is IoT protocol ? Explain the various communication models in IoT devices. (CO1)

3. (a) Explain about the history of IoT in detail. (CO1/CO2)

OR

- (b) What is REID ? Explain the working function of REID in IoT devices. (CO1/CO2)

4. (a) Illustrate the environment characteristics and traffic characteristics of IoT devices. (CO1/CO2)

OR

- (b) List out the various Key IoT Technologies. Explain device intelligence, communication capabilities of IoT. (CO1/CO2)

(3)

5. (a) What is sensor ? What are various points of specifications required in sensor for IoT devices ? (CO2)

OR

- (b) Write short notes on the following : (CO2)

- (i) Satellite Technology
- (ii) IoT object and Services