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Roll No.

TCS-331

**B. TECH. (CSE) (THIRD SEMESTER)
MID SEMESTER EXAMINATION, 2021**

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 question carries 10 marks.

- 1. (a) What are the various applications of IoT ?
Explain using suitable example.**

10 Marks (CO1)

OR

- (b) What are the various characteristics of IoT ?
Explain using suitable example.**

10 Marks (CO1)

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2. (a) What do you understand by Application Program Interface (API) ? Explain with suitable example. 10 Marks (CO1)

OR

- (b) Explain IoT frameworks with suitable design. 10 Marks (CO1)
3. (a) Why scalability and interoperability is very important in IoT systems ? Explain with relevant example. 10 Marks (CO2)

OR

- (b) What is the different key IoT technologies ? Explain with suitable example. 10 Marks (CO2)
4. (a) Explain different sensor technologies with suitable example. 10 Marks (CO2)

OR

- (b) Explain RFID technology with a suitable example. 10 Marks (CO2)

(3).

5. (a) Explain structural aspects of the IoT with suitable example.

10 Marks (CO2)

OR

- (b) Why are security and privacy important constraints in IoT system ? Explain with suitable example.

10 Marks (CO2)