



Regulation: R18

Subject code: 2E7FB

TKR COLLEGE OF ENGINEERING AND TECHNOLOGY

(Autonomous, Accredited by NAAC with 'A+' Grade)

B.Tech VII Semester Supplementary Examinations, April 2024

INTERNET OF THINGS
(Information Technology)

Maximum Marks: 70

Date: 23.04.2024 Duration: 3 hours

- Note: 1. This question paper contains two parts A and B.
2. Part A is compulsory which carries 20 marks. Answer all questions in Part A.
3. Part B consists of 5 Units. Answer any one full question from each unit which carries 10M.
4. Each question carries 10 marks and may have a, b, c, d as sub questions.

Part-A

All the following questions carry equal marks

(10X2M=20 Marks)

- 1 List out the characteristics of IoT.
- 2 What is Cloud Computing?
- 3 What is Machine-to-Machine?
- 4 What is the role of NETCONF server?
- 5 What is the difference between list and tuples?
- 6 How to pass variable length arguments to the function?
- 7 Describe Raspberry Pi LED status.
- 8 What are the other boards alternative to raspberry Pi?
- 9 What are the files are created to create new Django project
- 10 Defining the URL patterns

Part-B

Answer All the following questions.

(5X10M=50Marks)

- 11 Explain different IoT levels and Deployment templates. [10]
OR
- 12 Determine the IoT levels for designing structural health monitoring system. [10]
- 13 Describe the need for IoT systems management. [10]
OR
- 14 Discuss about IoT system management with NETCONF-YANG. [10]
- 15 Explain list, tuples and dictionaries with examples. [10]
OR
- 16 Explain the features of Object Oriented Programming in python. [10]
- 17 Explain about the Raspberry Pi Interfaces. [10]
OR
- 18 Write python program for switching LED/ light based on reading LDR. [10]
- 19 Describe Web Application Messaging Protocol in detail. [10]
OR
- 20 Explain Django Architecture in detail. [10]