



R17 Regulation

Subject code: 1E7ED

TKR COLLEGE OF ENGINEERING AND TECHNOLOGY

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

B.Tech IV Year I Semester Supplementary Examinations, July 2022

Internet of Things
(CSE)

Maximum Marks: 70

Date:07.07.2022 Duration: 3 hours

PART-A

All the following questions carry equal marks

(10x2M=20 Marks)

- 1 Give the classical definition of IoT
- 2 Write any two characteristics of IoT
- 3 What is M2M
- 4 Define SDN
- 5 What is an IoT device?
- 6 What is the interpreted language?
- 7 What is the significance of the Sensors in IoT Devices
- 8 Write the command with syntax for search for a file in Raspberry Pi?
- 9 Write the role of a Router in WAMP
- 10 Write a short note on Amazon EC2

Part-B

Answer All the following questions.

(10M X 5=50Marks)

- 11 Explain REST-based communication APIs in IoT. [10]

OR

- 12 Explain WebSocket-based Communication APIs in IoT. [10]
- 13 Explain with neat diagram of IoT Systems Management with NETCONF-YANG. [10]

OR

- 14 Why the network wide configuration is important for IoT systems with multiple nodes explain in detail. [10]
- 15 What is the difference between procedure-oriented programming and object-oriented programming? [10]

OR

- 16 How is function overriding implemented in python? [5]
- 17 Explain with neat diagram about Raspberry Pi board. [5]

OR

- 18 Write a Python program for controlling an LED with a switch with importing GPIO package. [10]
- 19 Describe the architecture of a Django application? [10]

OR

- 20 What are the uses of messaging queues? What are the message formats supported by Amazon SQS? [10]