

DEPARTMENT OF ELECTRICAL ENGINEERING, NIT CALICUT
I SEMESTER M. TECH – INTERIM TEST EXAMINATION MONSOON SEMESTER 2022-23
INDUSTRIAL POWER AUTOMATION

EE 6434 D INTERNET OF THINGS AND APPLICATIONS

Time: 2 Hours

Max. Marks: 30

Answer all questions

1. What are the elements of IoT and explain them in short? . (2)
2. Explain how to prevent forest fire in India with IoT Technology.
You are expected to cover: explain the solutions and its features to prevent forest fire with block diagram. (3)
3. Explain the operation of Health Care Application when it is enabled with IoT.
You are expected to cover: Human's life style in feature with IoT technology (4)
4. Compare the M2M and IoT technologies. (3)
5. Define Web of Technology (WoT). (1)
6. Explain the various functions of data collection and analysis (DCA). (3)
7. How to control the Air pollution level caused by Engine vehicles with the help of IoT Technology?
[You are expected to cover: (i) solution approach with block diagram, features and functions of each element in block diagram] (4)
8. Write short notes on three antennas used in wireless communication. (2)
9. Explain the different types of wireless access point (WAPs) in detail.
[You are expected to cover: (i) purposes, features and functions of each with diagram] (4)
10. What are the major six problems of IoT Technology and explain them? (4)

Life is ten percentage what you experience and ninety percentage how you respond to it
