

Code No.: CS702PC/AI735PE

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CMR ENGINEERING COLLEGE : HYDERABAD
UGC AUTONOMOUS
IV-B.TECH-I-Semester End Examinations (Regular) - November- 2023
INTERNET OF THINGS
(Common for CSE, CSM)

[Time: 3 Hours]

[Max. Marks: 70]

Note: This question paper contains two parts A and B.

Part A is compulsory which carries 20 marks. Answer all questions in Part A.

Part B consists of 5 Units. Answer any one full question from each unit. Each question carries 10 marks and may have a, b, c as sub questions.

PART-A

(20 Marks)

1. a) Define an Internet of Things? [2M]
- b) Write the any three functions of IoT? [2M]
- c) What is an Software Defined Networking? [2M]
- d) List out the advantages of SDN? [2M]
- e) Define modules in python? [2M]
- f) Show working with lists in Python? [2M]
- g) What is a negative index in python? [2M]
- h) What are iterators in python? [2M]
- i) Explain briefly about Rasberry PI ? [2M]
- j) How to run a python program? Explain its steps. [2M]

PART-B

(50 Marks)

2. What are the applications of IoT and explain with an example? [10M]
- OR**
3. Illustrate the physical design of IoT with Things of IoT and protocols of IoT? [10M]
4. Differentiate between IoT and M2M.? [10M]
- OR**
5. Describe how SDN can be used for various levels of IoT? [10M]
6. Explain the classes and date/time operation in python. [10M]
- OR**
7. Write a short note on i) control flow ii) packages iii) file handling of IoT. ? [10M]
8. Explain SOA and API in detail? [10M]
- OR**
9. Elucidate Rasberry PI interfaces. [10M]
10. Discuss cloud storage models and communication. [10M]
- OR**
11. Describe python web application frame work designing? [10M]
