

Code No.: IT623PE

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CMR ENGINEERING COLLEGE : HYDERABAD
UGC AUTONOMOUS
III-B.TECH-II-Semester End Examinations (Supply) - January- 2024
INTERNET OF THINGS
(IT)

[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) What are the applications of IOT? [2M]
- b) What is cloud Computing? [2M]
- c) Differentiate between NFV and SDN. [2M]
- d) What is meant by M2M? [2M]
- e) What are the advantages of python? [2M]
- f) Write an example of user defined functions in python. [2M]
- g) How to read inputs from pins in Raspberry Pi? [2M]
- h) List the features of Raspberry Pi. [2M]
- i) What is Web API? [2M]
- j) How is IOT related to cloud computing? [2M]

PART-B

(50 Marks)

2. Explain the IOT Enabling Technologies with Diagram. [10M]
- OR**
3. Illustrate Physical design of IOT with an example. [10M]
4. Explain about YANG-NETCONF and SNMPNETOPEER. [10M]
- OR**
5. Discuss the Machine to Machine Application (M2M) for rural areas in India. [10M]
6. Briefly explain about functions in python with examples. [10M]
- OR**
7. Explain the Python packages(JSON,XML,SMTP LIB). [10M]
8. Elaborate Raspberry Pi Interfaces. [10M]
- OR**
9. Discuss about the raspberry pi board with neat diagram. [10M]
10. Explain python web application frameworks. [10M]
- OR**
11. What is Cloud storage? Briefly discuss advantages of cloud storage [10M]
