

Code No.: DS851PE

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**CMR ENGINEERING COLLEGE: : HYDERABAD  
UGC AUTONOMOUS**

**IV-B.TECH-II–Semester End Examinations (Regular) – April - 2024  
INTERNET OF THINGS  
(CSD)**

[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 is the scope of IoT? [2M]
- b) Give the example of Big Data generated by IoT? [2M]
- c) Define M2M communication? [2M]
- d) Write the limitations of Conventional networks? [2M]
- e) Give an example type conversion in Python. [2M]
- f) What is pass control structure in Python? [2M]
- g) List out Linux flavors on which Raspberry Pi works? [2M]
- h) Give LED status in Raspberry and write each status function? [2M]
- i) Write Amazon services for IoT. [2M]
- j) What is WAMP protocol? [2M]

**PART-B**

**(50 Marks)**

2. Describe General block diagram of IoT? [10M]
- OR**
3. Explain application layer protocols in IoT? [10M]
4. Illustrate the IoT Levels and Templates Domain-Specific IoTs? [10M]
- OR**
5. Explain the IoT Protocols? [10M]
6. Illustrate the Exception handling in Python? [10M]
- OR**
7. What are the features of Python? [10M]
8. Describe Raspberry Pi interfaces in detail? [10M]
- OR**
9. Explain components of Raspberry Pi Board? [10M]
10. Explain the Python web application framework? [10M]
- OR**
11. Describe the Web server for IoT. [10M]

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