CMR ENGINEERING COLLEGE: : HYDERABAD
UGC AUTONOMOUS
III–B.TECH–II–Semester End Examinations (Supply) - June- 2025
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 Characteristics of IoT?   [2M]
   b) Definition of IoT?   [2M]
   c) What is M2M?   [2M]
   d) Give example of other IoT devices?   [2M]
   e) What are the Data types in python.   [2M]
   f) What are the Functionsin python.   [2M]
   g) What is SPI?   [2M]
   h) How Raspberry Pi is useful for IoT?   [2M]
   i) How Internet of Things (IoT) provides Privacy.   [2M]
   j) What are the physical server sin IoT.   [2M]

PART-B   (50 Marks)

2. What are the IoT Enabled Technologies? Explain each with an example.   [10M]
                              OR
3. Draw the IoT Block diagram (Physical design of IoT device) and explain each   [10M]
    interfacing unit.

4. Write the difference between M2M and IoT.   [10M]
                              OR
5. Write the difference between SDN and NFV.   [10M]

6. Explain the Features of Python.   [10M]
                              OR
7. Explain about Exception handling python packages.   [10M]

8. What are the steps involved in Programming Raspberry Pi with Python.   [10M]
                              OR
9. Draw and Explain the interfaces SPI, I2C, UART of Raspberry Pi. [10M]

10. Explain in detail about cloud storage models .   [10M]
                              OR
11. Explain about communication APIs Webserver.   [10M]
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