Code No.: CS702PC/AI735PE

R20   H.T.No.   8   R

CMR ENGINEERING COLLEGE: : HYDERABAD
UGC AUTONOMOUS
IV–B.TECH–I–Semester End Examinations (Supply) – April - 2024
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) State the importance of IoT?   [2M]
   b) List any four characteristics of IoT.   [2M]
   c) Write a short note on M2M.   [2M]
   d) What is the function of a data model manager?   [2M]
   e) What is gateway?   [2M]
   f) Define package.   [2M]
   g) What are the generators in python?   [2M]
   h) What is the difference between list and tuple?   [2M]
   i) Explain general types of errors with examples.   [2M]
   j) How to convert a string to a number in Python?   [2M]

PART-B   (50 Marks)

2. Discuss about any three IoT enabling technologies.   [10M]

OR

3. Illustrate the IoT level 1 with diagram.   [10M]

4. Define network function virtualization and explain with neat diagram.   [10M]

OR

5. Describe the IoT system management in detailed.   [10M]

6. Describe the working of modules in Python. What is difference between Semantic and Syntax analysis?   [10M]

OR

7. Discuss about IoT reference model with diagram.   [10M]

8. Explain interfacing an LED and switch with Raspberry pi.   [10M]

OR

9. Explain how to display all the nodes of XML with the help of a program?   [10M]

10. How to improve object-oriented code to provide new features?   [10M]

OR

11. Explain the following in python with example.   [10M]
    i)comments   ii)input()   iii)type()

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