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CMR ENGINEERING COLLEGE: : HYDERABAD

UGC AUTONOMOUS

I-M.TECH-I-Semester End Examinations (Regular) - March- 2024

IOT AND ITS APPLICATIONS (PE-II)

(VLSISD)

[Time: 3 Hours]

[Max. Marks: 60]

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

Part A is compulsory which carries 10 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

(10 Marks)

1. a) List out the Features of IoT. [1M]
- b) State the characteristics of IoT. [1M]
- c) What is the difference between M2M and IoT? [1M]
- d) List out the key elements of NFV architecture. [1M]
- e) What is IoT Domain Model? [1M]
- f) Explain IOT function view. [1M]
- g) Explain needs of IoT for Oil and Gas Industry. [1M]
- h) Explain eHealth IOT applications. [1M]
- i) Define the overview of governance. [1M]
- j) What are the security issues in IoT. [1M]

PART-B

(50 Marks)

2. With the help of neat diagrams, describe the levels of IoT with an example each. [10M]
- OR**
3. Describe an example of IoT service that uses Web socket-based communication. [10M]
4. With the help of neat diagrams, explain the M2M system architecture. [10M]
- OR**
5. Draw the structure of M2M Gate way Network. [10M]
6. Explain IOT reference architecture's deployment and operational view. [10M]
- OR**
7. Explain Open Geospatial Consortium Architecture with a diagram. [10M]
8. What the shopping basket can tell: IoT for retailing industry? [10M]
- OR**
9. Describe four aspects in your business to master IoT. [10M]
10. Explain security, privacy and trust in IoT-Data-Platforms for smart cities. [10M]
- OR**
11. Explain smartie approach, properties and characteristics of IoT. [10M]
