Code No.: CS702PC/AI735PE

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H.T.No.

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CMR ENGINEERING COLLEGE: : HYDERABAD UGC AUTONOMOUS

IV-B.TECH-I-Semester End Examinations (Regular) - November- 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.

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	PART-A	(20 Marks)
1. a)		[2M]
b)	Explain various Applications of IoT.	[2M]
c)		[2M]
d)	Explain M2M in IoT.	[2M]
e)	Explain any two data types in Python.	[2M]
f)	Discuss The control flow statements.	[2M]
g)	List peripherals of Raspberry Pi.	[2M]
h)	List the IoT Physical Devices and Endpoints.	[2M]
i)	Illustrate the cloud for IoT?	[2M]
j)	List the web server for IoT.	[2M]
•	PART-B	(50 Marks)
2.	Define IoT. Describe IoT levels and deployment templates in detail.	[10M]
3.	OR	54.03.43
٥.	List the different types of IoT enabling Technologies. Describe them in detail.	[10M]
4.	Explain SDN architecture in detail with an example.	[1 0M]
_	OR	
5.	Explain how NFV can be used for virtualizing IoT devices.	[10M]
6.	Discuss in detail about functions, modules and packages in Python.	[10M]
	OR	
7.	Explain about JSON, XML, HTTP Lib and URL Lib in Python with respect to IoT.	[10M]
8.	Determine the relative strengths and limitations of Building IOT with RASPBER	RY [10M]
	PI.	
9.	OR Demonstrate how Raspberry Pi used for IoT devices? How to program Raspberry	Pi [10M]
	using Python?	. []
10.	Explain in detail about the service models of a cloud computing.	[10M]
	OR	
11.	Discuss the process of designing a RESTful web API.	[10M]
