Code No.: IT623PE

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

III-B.TECH-II-Semester End Examinations (Regular) - May- 2023 INTERNET OF THINGS

(IT)

[Max. Marks: 70] [Time: 3 Hours]

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.

	$\underline{PART-A} \tag{2}$	0 Marks)
1. a) b) c) d) e) f)	What are the components of physical design of IoT? Name any four sensors used in smart health care systems. Describe the significance of the M2M protocol. Why is network wide configuration important for IoT systems with multiple nodes? Write a python program to reverse a given list [10, 11, 12, 13, 14, 15]. Write the output of the following python program thisdict = { "apple": "green", "banana": "yellow", "cherry": "red" }	[2M] [2M] [2M] [2M] [2M]
	thisdict["apple"] = "red" print(thisdict)	
g) h) i) j)	In what ways Raspberry Pi is better than Arduino? Justify. Mention the various flavors of Linux supported by Raspberry Pi. Describe the function of URL patterns in Django. Write the significance of RESTful Web API.	[2M] [2M] [2M] [2M]
	PART-B	(50 Marks)
2.	Discuss in detail various IoT levels and process of leveling up. OR	[10M]
3.	Discuss in detail functional model of IoT and its relationship with communication model.	on [10M]
4.	detail with a neat diagram?	in [10M]
5.	OR Explain how to manage an IoT device using the NETOPEER tools with a no diagram?	eat [10M]
6.	Write a Python program to print a set that contains all the colors from colorlist! not in colorlist2. colorlist1 contains ("White", "Black", "Red") colorlist2 contains ("Red", "Green"). OR	out [10M]
7.	The state of page in a strings by using 'a' 'e' 'i' 'o' 'u'. Use	the [10M]