Code No: 20CO7O01

R20

IV B. TECH I SEMESTER REGULAR EXAMINATIONS, NOVEMBER - 2023 FUNDAMENTALS AND PRINCIPLES OF INTERNET OF THINGS (COMMON TO CIV, MEC & AID BRANCHES)

Time: 3 hours Max. Marks: 70

		Note: Answer ONE question from each unit (5 × 14 = 70 Marks)	
		UNIT-I	
1.	a)	Explain the different characteristics of IoT.	[7M]
	b)	Explain the Block diagram of IoT.	[7M]
	·	(OR)	
2.	Ex	plain in detail the need and types of Bigdata Analytics for IoT. UNIT-II	[14M]
3.	a)	Explain M2M services of IoT.	[7M]
	b)	Explain the differences between IoT and M2M.	[7M]
		(OR)	
4.	a)	Analyze in detail about sensors, Actuators and smart objects.	[7M]
	b)	What is virtualization? Explain network virtualization in IoT.	[7M]
		UNIT-III	
5.	a)	Discuss Five layer IoT architecture with neat diagram.	[7M]
	b)	Explain about FoG based IoT.	[7M]
		(OR)	
6.	a)	Discuss about Development challenges of IoT.	[7M]
	b)	Explain the need for IoT systems management.	[7M]
		UNIT-IV	
7.	Ex	plain the step-by-step procedure to develop an IoT platform. (OR)	[14M]
8.		epare a IoT strategy for weather monitoring system and design itable layered architecture for it.	[14M]
		UNIT-V	
9.	a)	Explain the smart cities building system in IoT.	[7M]
	b)	Explain IoT security concerns for industry.	[7M]
		(OR)	
10.	Ex	plain applications of IoT in Health and lifestyle.	[14M]

25.11.2023 Page 1 of 1

* * * * *