CMR ENGINEERING COLLEGE: : HYDERABAD
UGC AUTONOMOUS
I–M.Tech–I–Semester End Examinations (Regular) July- 2021
IOT AND ITS APPLICATIONS (PE – II)
(VLSI System Design)

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

1. Answer Any **FIVE** Questions. Each Question Carries 14 Marks
2. Illustrate your answers with NEAT sketches wherever necessary.

5 x 14M=70M

1	a)	Define IoT. Explain the different evolutionary phases of Internet	[6 M]
	b)	Explain Research directions of IoT.	[4 M]
	c)	Discuss about Security, Privacy, and Trust related to IoT.	[4 M]
2	a)	Explain with neat diagram the one M2M IoT standardized architecture	[8 M]
	b)	Distinguish between M2M value chains and IoT value chains.	[6 M]
3	a)	Elaborate deployment and operational view of IoT	[7 M]
	b)	Explain about IoT reference model and its architecture.	[7 M]
4	a)	Explain value creation from big data and serialization	[8 M]
	b)	Explain IoT for retailing Industry.	[6 M]
5	a)	Discuss activity chain 05 -governance, privacy and security issues.	[8 M]
	b)	Explain about Security and Privacy related to IoT.	[6 M]
6	a)	Write a short note on Brownfield IoT.	[7 M]
	b)	Write Short note on "IoT impact in Real world."	[7 M]
7	a)	Which is a smart city? What are the features of IoT based smart city?	[8 M]
	b)	Explain IoT for oil and gas industry.	[6 M]
8	a)	Compare and contrast the deployment of smart objects.	[8 M]
	b)	Explain the future challenges of the Internet of Things.	[6 M]

****