Code No: R18A0453

MALLA REDDY COLLEGE OF ENGINEERING & TECHNOLOGY

(Autonomous Institution – UGC, Govt. of India)

III B.Tech II Semester Regular/Supplementary Examinations, June 2022 Internet of Things & Its Applications

(EEE, ECE, CSE, IT & AE)										
Roll No										

Time: 3 hours Max. Marks: 70														
Answer Any Five Questions														
All Questions carries equal marks. ***														
1	Describe IoT World Forum (IoTWF) standardized architecture.									[14M]				
2	a) With a neat diagram explain the architecture of IoT and Discuss IoT									[7M]				
	Challenges.													
	b) Explain Core IoT functional Stack										[7M]			
3	a) Explain different application layer protocols for the IoT.									[7M]				
	b) Which protocol is used to link all the devices in the IoT? Explain in detail.									[7M]				
4	a) Describe MQTT framework and message format in detail.							[7M]						
	b Enlighten different IoT Protocols.								[7M]					
5	a) Sketch	Arduino UNO dep	oicting th	ne pin	diag	ram	and	expla	ain iı	n det	ail			[7M]
	b) Explain in detail about design methodology in the design and development of							nt of	[7M]					
	an embedded application.													
		11												
6	a) Give ar	n overview of IoT	supporte	ed har	dwar	e pla	tforı	ns						[7M]
	b) With a neat diagram explain Raspberry Pi interface.								[7M]					
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7	a) Ex	xplain differences b	oetween											[4M]
	I. str	ructured and unstru	ictured o	lata										[3M]
		ata in motion and I												
		ow does M2M com			vork	Exr	olain.	-						[7M]
	2, 110					P								[]
8	a) Explain	the concept of Inc	dustry 4	0										[7M]
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b) Design a smart home automation system using IoT.

[**7M**]
