Total	l No	. of Questions : 8] SEAT No. :	
P3961		[5561]-656 B.E.(E&TC)	s:2
		INTERNET OF THINGS (2015 Pattern) (Semester - I) (Elective - I)	
Instr		[Max. Marks] ons to the candidates: Neat diagrams must be drawn wherever necessary. Figures to the right side indicate full marks.	: 70
Q1)	a) b)	What is IoT? Explain: Things in IoT. What are various components of RFID? Explain any two.	[6] [6]
	c)	Write a note on Topology models of IEEE 802.15.4 and PAN Coordina	ator. [8]
Q2)	a) b)	Compare IoT and M2M services. How sensors and actuators work? Explain with practical example.	[6] [7]
	c)	Explain working of Zigbee protocol.	[7]
Q3)	a)	What is REST protocol? Explain characteristics of REST based API	.[8]
	b)	Explain CoAP messaging format.	[8]

OR

Q4) a) Explain IPv6 packet format in detail.

[8]

What is RPL? Explain DODAG and DIO with respect to RPL. [8] b)

Q5)	a)	What are various types of Big Data? Explain in detail.	[8]
	b)	Explain types of Data Analytics in detail.	[8]
		OR	
Q6)	a)	What are various characteristics of Hadoop?	[8]
	b)	What is precision? Explain different types of errors.	[8]
Q7)	a)	Explain Smart home and smart city applications in view of IoT.	[10]
	b)	How IoT will be used to protect environmental loss? OR	[8]
Q8)	a)	Explain application of IoT in agriculture field. Explain it with a study.	case [10]
	b)	Write a note on Industrial IoT.	[8]
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