Duration: 3hrs		tion: 3hrs [Max Marks:8	[Max Marks:80]	
N.]		 Question No 1 is Compulsory. Attempt any three questions out of the remaining five. All questions carry equal marks. Assume suitable data, if required, and state it clearly. 		
1		Attempt any FOUR	[20]	
	a	Differentiate between IoT and M2M.		
	b	Explain the publish subscribe communication model.		
	c	What are the barriers to IoTs value creation?	24	
	d	Draw and explain IoT level 5 system.		
	e	Explain how map reduce is used for batch data analysis.		
2	a	How Sigfox connectivity technology is used for IoT.	[10]	
32	b	Explain how healthcare applications function in Industrial IoT.	[10]	
3	a	Explain AMQP protocol in detail with diagram.	[10]	
	b	Explain Augmented and Virtual reality in relation to Industry 4.0.	[10]	
4	a	Explain in detail the design challenges and solutions of IoT for Industry 4.0.	[10]	
	b	Explain structural health monitoring using IoT with neat diagram.	[10]	
5	a	Explain the steps involved in IoT design methodology.	[10]	
	b	Explain Puppet configuration management tool with diagram and	[10]	
		multi -tier deployment using Puppet.		
6	a	Explain human machine interaction in Industry 5.0.	[10]	
	b	Explain use of Apache storm in real time data analysis.	[10]	
