Paper / Subject Code: 42672 / Internet of Everything

BE IT | SEM-VII | 12-19 | C scheme | Sub;-IOE | SH-2028 | Df-28/14/2023

ime: [3 nrs]			80 Marks]	
	Note:	1. Question 1 is compulsory	Q.p. cod	
		2. Answer any three out of remaining questions	1003;	
		3. Assume suitable data where required	·	
Q1 a)	Solve :	any 4 n ZigBee in brief.	r	
b) c)	Explai Explai	n the Need of lightweight new communications protocols for IoT. n data retention strategy.	5 5 5	
d) e)		a short note on I-IoT n functional blocks of IoT	5 5	
Q2 a) b)	Elabor Illustrat swamps	ate in detail the strategies to organize Data for IoT Analytics. te the role of Data refineries in preventing data lakes to turn into data s	10	
Q3 a)	Descril commu	be the communication system and protocols involved in long range unication system of IoT	10	
b)	With n	eat diagram, elaborate briefly the simplified 3 layered IoT architec	ture. 10	
Q4 a) b)	Consid and list	ntiate and give Hierarchy between Edge, Fog, and Cloud computing er Smart Irrigation system. Elaborate its working with block diagra down the different types of sensors and actuators required during	10 am 10 the	
Q5 a)		ment scenario. ate MQTT with its working in details and two advantages over CO	AP. 10	
b)	Illustrat	e 3 methods for effective Data Visualization.	10	
Q6 a) b)	Explair	sensor, actuators and their role and classifications in brief. the following access technologies with applications area of each E 802.15.4 2) RFID	10 10	
