Paper / Subject Code: 42672 / Internet of Everything

BE / IT / sem -VII /CBCGS / R-20 /c -scheme/ SH-22 / IOE .

[3 Hours] [80 Marks]

Note : 1. Question 1 is compulsory

QP - 10015739

2. Answer any three out of remaining questions

3. Assume suitable data where required

Q1	Solve any 4	
a)	Define IOT with Conceptual Framework	5
b)	Compare and contrast RFID with Bluetooth	5
c)	What are the four big data strategies?	5
d)	Explain IoT Data Analytics importance	5
e)	Illustrate the components of IEEE 802.11 architecture.	5
Q2		
a)	Describe IoT World Forum (IoTWF) Standardized Architecture.	10
b)	Explain the concept of Fog Computing with Diagram.	10
Q3		
a)	Draw and explain Architecture of MQTT with diagram.	10
b)	Explain the role of NoSQL in IoT Data Analytics Challenges.	10
Q4		
a)	Discuss Various IoT Application Transport Methods.	10
b)	Design the Forest Fire Detection system using IoT sensors.	10
Q5		
a)	Explain the architecture of LoRaWAN with its major Characteristics.	10
b)	What is the purpose of using a dashboard for data visualization?	10
Q6		
a)	Explain ecosystem for IoT enabled Smart Home with respect to sensors, actuators, framework, protocols, storage, data analysis, security etc.	10
b)	Write short note on i) CoAP ii) Internet of Behaviour.	10

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