Fighth Semester B.E. Degree Examination, June/July 2023 Internet of Things Technology

Max. Marks: 80

Note: Answer any FIVE full questions, choosing ONE full question from each module.

	1	Note: Answer any FIVE full questions, choosing ONE full question from each m	odule.
1		What is IoT2 Explain the first a first	
1	a. b.	* ************************************	(08 Marks)
	υ.	Explain for applications.	(08 Marks)
		OR	
2	a.	Explain IoT network architecture components.	(10 Marks)
	b.		(10 Marks) (06 Marks)
			(00 Marks)
		Module-2	
3	a.	What are Sensors and Actuators in IoT?	(04 Marks)
	b.	What are smart physical objects in foT?	(06 Marks)
	c.	What are the primary components of smart connected products?	(06 Marks)
4	0	What are actuators in LaTapali.	
4	a. b.	What are actuators in IoT? Explain. Explain IoT access Technologies.	(04 Marks)
	υ.	Explain for access reciniologies.	(12 Marks)
		Module-3	
5	a.	List the business case for IoT and IT.	(05 Marks)
	b.	What is meant by device management in IoT?	(05 Marks)
	c.	What are the networking technologies adopted with IoT?	(06 Marks)
6		OR	
0	а. b.	Explain the application protocols for IP. Briefly describe the International States to the International States t	(12 Marks)
	υ.	Briefly describe the IoT application transport methods.	(04 Marks)
		Module-4	
7	a.	Explain briefly big data analytics tools and technology.	(12 Marks)
	b.	What do you mean by edge streaming analytics? Explain.	(04 Marks)
			()
0		OR	
8	a.	How IoT security different from physical and conventional IT security? Explain.	(06 Marks)
	D.	What is octave and fair? Explain.	(10 Marks)
		Modulo 5	
9	a.	Write a python program on Rasberry Pi to blink an LED.	(0(M-1-)
	b.	Explain Smart City Security architecture.	(06 Marks) (10 Marks)
		CMRIT LIBRARY	(10 Marks)
		OR BANGALORE - 560 037	
10	a.	Explain the features of Ardunio UNO with regard to IoT.	(08 Marks)
	b.	Explain how IoT can be used with consumer appliances.	(08 Marks)

Important Note: 1. On completing your answers, compulsorily draw diagonal cross lines on the remaining blank pages.

2. Any revealing of identification, appeal to evaluator and /or equations written eg, 42+8 = 50, will be treated as malpractice.