

### MARRI LAXMAN REDDY E OF TECHNOLOGY AND MANAGEMENT

(AN AUTONOMOUS INSTITUTION) (Approved by AICTE, New Delhi & Affiliated to JNTUH, Hyderabad) Accredited by NBA and NAAC with 'A' Grade & Recognized Under Section2(f) & 12(B)of the UGC act,1956

# III B.Tech II Sem Regular End Examination, June 2022

## **Internet of Things** (Information Technology)

Time: 3 Hours. Note: 1. Question paper consists: Part-A and Part-B. Max. Marks: 70

- - 2. In Part A, answer all questions which carries 20 marks.
  - 3. In Part B, answer any one question from each unit. Each question carries 10 marks and may have a, b as sub questions.

#### PART- A

(10\*2 Marks = 20 Marks)

1.	a)	Define sensor networks.	2M	CO1	BL1
	b)	Define Industry and Agriculture impact in IOT.	2M	CO1	BL1
	c)	Outline the differences between IOT and M2M.	2M	CO2	BL2
	d)	Demonstrate YANG.	2M	CO2	BL2
	e)	Compare time and data operations in python.	2M	CO3	BL2
	f)	Analyze different python classes.	2M	CO3	BL4
	g)	Determine Raspberry PI-Interface (SPI).	2M	CO4	BL3
	h)	Discuss IOT physical devices.	2M	CO4	BL2
	i)	Design a Restful web API.	2M	CO5	BL6
	j)	What is the importance of cloud storage models?	2M	CO5	BL1

#### PART-B

(10\*5 Marks = 50 Marks)

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2	a)	Interpret the impact and challenges of IOT.	5M	C01	BL2		
	b)	Compare cloud computing and big data analysis	5M	CO1	BL2		
		OR					
3		What are the different communication protocols and list the IOT	10M	CO1	BL1		
3		levels.					
			5M	CO2	BL3		
4	a)	Identify the difference between SDN and NFV.	SIM	C02			
	b)	Examine the NETCOZF work with system management	5M	CO2	BL4		
OR							
5		Evaluate network function virtualization and SNMP.	10M	CO2	BL5		

Course Code: 1961226 Roll No:			1	MLRS-I			
6	a)	Appraise the features of python language and JSON.		5M	CO3	BL5	
	b)	Develop an example of PANDAS module using python		5M	CO3	BL6	
OR							
7		Explain exception handling with an example.		10M	CO3	BL4	
8	a)	Create a python program with raspberry PI.		5M	CO4	BL6	
	b)	Judge on serial and 12c interfaces.		5M	CO4	BL5	
OR							
9		Elaborate the external gadgets and controlling of any	IOT system.	10M	CO4	BL5	
10	a)	Categorize IOT physical sensors.		5M	CO5	BL4	
	b)	Illustrate communication API'S web server.		5M	CO5	BL2	
OR							
11		Formulate python web application framework and de with API.	sign a web	10M	CO5	BL3	

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