Code No: R20A0452

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Roll No

MALLA REDDY COLLEGE OF ENGINEERING & TECHNOLOGY

(Autonomous Institution – UGC, Govt. of India)

III B.Tech I Semester Supplementary Examinations, June/July 2024 Internet of Things & Its Applications

(ME, CSE, IT, CSE-CS, CSE-AIML, CSE-DS, B.Tech-AIDS & B.Tech-AIML)

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Time: 3 hours Max. Marks: 70														
Note: This question paper Consists of 5 Sections. Answer FIVE Questions, Choosing ONE														
Question from each SECTION and each Question carries 14 marks.														

				_		ECTIO								
1	\boldsymbol{A}	-								[7M]				
		application areas' aspects												
	\boldsymbol{B}	Explain with the help of a diagram IoT World Forum standardized [[7M]			
		architecture.												
						OR								
2	\boldsymbol{A}	Expl	ain moderately th	e maj	or use	cases	of M	2M (comn	nuni	catio	n.		[7M]
	\boldsymbol{B}	Expl	ain with the help	of a b	lock d	agran	an I	oT e	cosy	stem				[7M]
					SI	CTIC)N-I	[
3	\boldsymbol{A}	Disc	uss the detail abo	ut the	e 6 LoV	VPAN	and	SCA	DA.					[7M]
	\boldsymbol{B}	Expl	ain the Physical a	nd M	ac laye	r of 8	02.15	5.4 st	anda	rd.				[7M]
		•	·			OR								
4	\boldsymbol{A}	Usin	g which technique	e seci	ırity is	achiev	ed ir	1 802	2.15.4	4? E	xplai	n.		[7M]
	\boldsymbol{B}		ain Constraint Ap		•						•			[7M]
		1	1			CTIO								
5	\boldsymbol{A}	Expl	ain in detail embe	dded					itecti	ure v	vhile	disc	cussing in	s [7M]
		_	onents separately		,								C	
	\boldsymbol{B}	-	uss the advantage		oC ov	er a m	icroc	ontro	oller.					[7M]
			\mathcal{E}			OR								
6	\boldsymbol{A}	Expl	ain the significan	ces of	the fo	llowin	g in	IoT t	echn	olog	v			[7M]
		i	_		ors ii		_			_	•			
	В	,	uss in detail the Id			*			,		•			[7M]
	_	_ 150				CTIO				-22	,			[·-·-]
								_						

SECTION-V

"IoT data is volatile" what do you mean by this? And how will you handle

9	\boldsymbol{A}	Give a list of components used to health care facility a smart one. Interpret	[7M]					
		the purpose of your selection for each of the components.						
	D	Duragent viewer design and and view for modeling a boulth some facilities a great boulth	[7] (]					

Compare and contrast structured data and unstructured data in detail.

Compare and contrast data in motion and data at rest in detail.

Explain different approaches of data analysis

the volatility of the IoT data?

B Present your design procedure for making a health care facility a smart health care facility using IoT technology. [7M]

OR

10 A What different components will you use to make agriculture to be supported by IoT technology? Give reason for each of your selection.
B Discuss the challenges faced by IoT technology to be used for industry [7M]

B Discuss the challenges faced by IoT technology to be used for industry applications

[7M]

[**7M**]

[7M]

[7M]