18MCA542

Fifth Semester MCA Degree Examination, June/July 2023 Internet of Things

Time: 3 hrs.

DZ.

Max. Marks: 100

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

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		Module-1	(4037 1)
1	a.	Explain the trends in Information and Communication Technologies.	(10 Marks)
	b.	With neat diagram, discuss IoT and Emerging its applications.	(10 Marks)
OR			
2	0	Explain in detail, M2 M Communication.	(05 Marks)
4	a. h	Give a summary of Megatrends, Capabilities and IoT implications.	(05 Marks)
	b.	Explain M2 M approach with an example.	(10 Marks)
	C.	Explain W2 W approach with an example.	
Module-2			
3	a.	With a neat diagram, explain Information driven value chain for IoT.	(10 Marks)
	b.	Explain Architectural design principal for IoT.	(10 Marks)
		OR	(10 N/L)
4	a.	Explain the functional layers and capabilities of an IoT solution.	(10 Marks)
	b.	Explain Global, M2 M and IoT value chains.	(10 Marks)
		Module-3	
5	a.	Explain Basic and Advanced device types along with Gateways.	(10 Marks)
	b.	Explain Knowledge Reference Architecture for M2 M and IoT.	(10 Marks)
		OR	(10 Mordes)
6	a.	Explain everything as a Service (XaaS).	(10 Marks)
	b.	With the help of neat diagram, explain Knowledge Management.	(10 Marks)
Module-4			
7	0	With the help of diagram, explain ETSI M2 M High Level Architecture.	(10 Marks)
7	a.	Explain ETSI M2 M Service Capabilities.	(10 Marks)
	b.	Explain E151 Wiz W Service Capabilities.	
	OR		
8	a.	Explain Information description in information view.	(10 Marks)
	b.	In short, explain ITU – IoT reference model with a diagram.	(10 Marks)
		Module-5	(10 Marks)
9	a.	Explain how Remote Interaction and Control over IoT Applications.	(10 Marks)
	b.	Explain Evaluation of Commercial building automation in terms of Phase two.	(10 Marks)
OR CMRIT LIBRARY			
10	0	Briefly explain commercial Building phase one. Briefly explain commercial Building phase one.	(10 Marks)
10	a.	Explain SOCRADES Integration Architecture.	(10 Marks)
	b.	Explain SOCIATION Integration Internecture.	,

2. Any revealing of identification, appeal to evaluator and /or equations written eg, 42+8 = 50, will be treated as malpractice. Important Note: 1. On completing your answers, compulsorily draw diagonal cross lines on the remaining blank pages.