S USN FISH Samestay MCA Dogs

18MCA542

Fifth Semester MCA Degree Examination, July/August 2021 Internet of Things

Time: 3 hrs.

Max. Marks: 100

(10 Marks)

Note: Answer any FIVE full questions.

1	a. b.	Explain IoT solution with a neat diagram. Discuss the emerging applications of IoT in various domains.	(05 Marks) (08 Marks)
	C.	Describe the system components of an M2M solution, with a neat diagram.	(07 Marks)
	С.	Describe the system components of an ivizivi solution, with a near diagram.	(07 Marks)
2		Compare the main characteristics of M2M and LaT	(10 M I)
2	a.	Compare the main characteristics of M2M and IoT.	(10 Marks)
	b.	Explain Megatrends, Capabilities and Implications of IoT.	(10 Marks)
3	1		
			(10 Marks)
	b.	Illustrate the design principles and needed capabilities of IoT.	(10 Marks)
4	a.	Explain an IoT architecture outline.	(10 Marks)
	b.	With a neat diagram, explain Information-Driven Value Chain for IoT.	(10 Marks)
	Ο.	The a near diagram, explain information briven value chain for for.	(10 11111115)
5		Illustrate the properties of device and its deployment seems is	(10 Mayles)
5	a.	Illustrate the properties of device and its deployment scenarios.	(10 Marks)
	b.	Explain Knowledge Reference Architecture for M2M and IoT.	(10 Marks)
6	a.	Discuss the different stages of managing M2M data with neat diagram.	(10 Marks)
	b.	Explain the different phases of CRISP-DM [Cross Industry Standard Proces	s for Data
		Mining] process model with a neat diagram.	(10 Marks)
7	a.	Explain any five ETSI M2M service capabilities.	(10 Marks)
1	147	With a neat diagram, explain IoT reference model.	(10 Marks)
	b.	with a near diagram, explain to i reference model.	(10 Marks)
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8	a.	Briefly explain IoT domain model.	(10 Marks)
	b.	Explain Open Geospacial consortium architecture with a diagram.	(10 Marks)
9	a.	Explain Service-Oriented Architecture-based device integration with a neat diagra	am.
			(10 Marks)
	b.	Explain the components of building automation system and its example use cases	. (10 Marks)
10	a.	Describe SOCRADES Integration Architecture.	(10 Marks)
10	a.	Describe Social DES integration Atomiceture.	(10 1/14/11/15)

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Illustrate IMC-AESOP cloud-based architecture vision.

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.