CBCS SCHEME

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USN						

18MCA542

Fifth Semester MCA Degree Examination, Feb./Mar. 2022 Internet of Things

Time: 3 hrs.

Max. Marks: 100

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

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		<u>Module-1</u>	
1	0	Define IoT. Explain typical M2M solution.	(10 Marks)
1	a. b.	Comparison of main characteristics of M2M and IoT with example.	(10 Marks)
	U.	Companison of main characteristics of figure	
		OR	
•		Explain implications for IoT with example.	(10 Marks)
2	a.	Explain implications for for with example.	(10 Marks)
	b.	Describe Game changes with example.	
		Module-2	
			(10 Marks)
3	a.	Explain IoT value chains, with example.	(10 Marks)
	b.	Explain M2M value chains with example.	
		OR	
			(10 Marks)
4	a.	With a neat diagram, explain IoT architecture outline.	(10 Marks)
	b.	Explain emerging industrial structure for IoT.	(10112011)
		26-1-1-2	
		Module-3	(10 Marks)
5	a.	Explain local and wide area networking with example.	(10 Marks)
	b.	Explain Basic and Advanced device types along with Gateways.	(10 1/14113)
		OR	(10 Marks)
6	a.	Explain everything as a service (XaaS)	(10 Marks)
	b.	Explain Business process in IoT with example.	(10 Marks)
		Module-4	(10 Marks)
7	a.	Explain IoT reference model with example.	(10 Marks)
	b.	Explain operational view with example.	(10 Marks)
		OR	(10 Marks)
8	a	Explain Functional view with example.	(10 Marks)
	b		(10 Marks)
		Module-5	(10 Marks)
9) a	Explain various levels of SOCRADES integration architecture.	(10 Marks)
	b	i i i i i i i i i i i i i i i i i i i	(10 Marks)
		OR	(10 Mowles)
1	0 a	Explain IMC – AESOP cloud based architecture vision for IOT.	(10 Marks)
		 Explain Data representation and visualization with example. 	(10 Marks)

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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.