CBCS SCHEME

USN						16MCAS	552

Fifth Semester MCA Degree Examination

		Fifth Semester MCA Degree Examination, Dec.2018/Jan.20	19								
		Internet of Things									
Tir	ne: 3	3 hrs. Max. M	Max. Marks: 80								
		Note: Answer FIVE full questions, choosing one full question from each modu	ıle.								
		Module-1									
1	a.	Explain in detail, M2M communication.	(05 Marks)								
	b.	Give a summary of megatrends, capabilities and IOT implications.	(05 Marks)								
	C.	Explain M2M approach with an example.	(06 Marks)								
		OD									
2		OR	(00 7 5 7)								
2	a.	Compare the characteristics of M2M and IOT.	(08 Marks)								
	b.	Explain IOT approach with an example.	(08 Marks)								
Module-2											
3	a.	With a neat diagram, explain information-driven value chain for IOT.	(10 Marks)								
	b.										
			(06 Marks)								
		OR									
4	a.	Explain the functional layers and capabilities of an IOT solution.	(10 Marks)								
	b.	Explain architectural design principles for IOT.	(06 Marks)								
_		Module-3 Evenlain various santiae and deployment models of a cloud	(10 M1)								
5	a. b.	Explain various service and deployment models of a cloud. Explain M2M data from the point of generation to business assessment. Expl	(10 Marks)								
	υ.	help of a neat diagram.	(06 Marks)								
		neip of a fieat diagram.	(00 Marks)								
		OR									
6	a.	With a neat diagram, explain how IOT has been integrated with enterprise system									
	4		(10 Marks)								
	b.	Explain knowledge management reference architecture.	(06 Marks)								
		Module-4									
7	a.	Write a note on key M2M elements.	(06 Marks)								
•	b.	Discuss ETSI M2M service capabilities with suitable diagram.	(10 Marks)								
		OR									
8	a.	Explain ITU-IOT reference model.	(06 Marks)								
	b.	1 1 0									
		view is done?	(10 Marks)								
		Module-5									

Explain SOA-based device integration.
Explain various levels of SOCRADES integration architecture. (08 Marks)

(08 Marks)

Explain the evolution of commercial building automation. 10 (08 Marks) Explain IMC-AESOP cloud-based architecture vision for IOT. (08 Marks)

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.