

## CBCS SCHEME

16/17MCA552

## Fifth Semester MCA Degree Examination, Dec.2019/Jan.2020 Internet of Things

Time: 3 hrs. Max. Marks: 80

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

		Module-1	
1	a. b.	Explain with a neat diagram a typical M <sub>2</sub> M solution overview. Explain key M <sub>2</sub> M application areas.	(08 Marks) (08 Marks)
		OR	
2	a.	Define IoT? Explain emerging IoT applications.	(08 Marks)
	b.	In brief explain Game changers along with their relationship to IoT.	(08 Marks)
Module-2			
3	a.	Explain Global and M <sub>2</sub> M value chains.	(08 Marks)
	b.	Explain IoT value chains.	(08 Marks)
		OR	
4	a.	With a neat diagram, explain IoT architecture outline.	(10 Marks)
	b.	Explain emerging industrial structure for IoT.	(06 Marks)
		Module-3	
5	a.	Explain Basic and Advanced device types along with Gateways.	(08 Marks)
	b.	Explain how to manage M <sub>2</sub> M data.	(08 Marks)
-	_	OR	(06.34. 1.)
6	a. b.	Explain everything as a service (XaaS) With the help of neat diagram, explain knowledge management.	(06 Marks) (10 Marks)
	Ų.	with the help of heat diagram, explain knowledge management.	(10 Marks)
		Module-4	
7	a.	With the help of diagram, explain ETSI M2M high level architecture.	(08 Marks)
	b.	Explain ETSI M <sub>2</sub> M service capabilities.	(08 Marks)
8	a.	In short explain ITU – IoT reference model with a diagram.	(10 Marks)
0	b.	Explain information description in information view.	(06 Marks)
		Module-5	
9	a.	Explain with a neat diagram SOCRADES Integration Architecture (SIA).	(10 Marks)
	b.	Explain IMC-AESOP web of things to cloud of things.	(06 Marks)
OR			
10	a.	Briefly explain commercial building automation phase one.	(08 Marks)
	b.	Explain evaluation of commercial building automation in terms of phase two.	(08 Marks)

\* \* \* \* \*