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

Time: 3 hrs.

Max. Marks: 80

(08 Marks)

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

		Module-1	
1	a.	Explain with a neat diagram a typical M ₂ M solution overview.	(08 Marks)
•	b.	Explain key M ₂ M application areas.	(08 Marks)
	0.	<u> </u>	
		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	(00 N/L L)
3	a.	Explain Global and M ₂ M value chains.	(08 Marks)
	b.	Explain IoT value chains.	(08 Marks)
		O.B.	
		OR Wish a rest diagram, cyrolein IoT orghitecture outline	(10 Marks)
4	a.	With a neat diagram, explain IoT architecture outline. Explain emerging industrial structure for IoT.	(06 Marks)
	b.	Explain emerging industrial structure for for.	(000)
		Module-3	
5	a.	Explain Basic and Advanced device types along with Gateways.	(08 Marks)
•	b.	Explain how to manage M ₂ M data.	(08 Marks)
		OR	
6	a.	Explain everything as a service (XaaS)	(06 Marks)
	b.	With the help of neat diagram, explain knowledge management.	(10 Marks)
		Module-4	(08 Marks)
7	a.	With the help of diagram, explain ETSI M ₂ M high level architecture.	(08 Marks)
	b.	Explain ETSI M ₂ M service capabilities.	(00 14441 183)
	71 2005	OR	
8	i a es	In short explain ITU – IoT reference model with a diagram.	(10 Marks)
O	b.	Explain information description in information view.	(06 Marks)
	0.	Explain into a second s	
		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	/00 3/4 J>
10	a.	Briefly explain commercial building automation phase one.	(08 Marks) (08 Marks)
	1.	Develois and provide of commercial building automation in terms of phase two	CUA WESTKA)

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.

Explain evaluation of commercial building automation in terms of phase two.