Paper / Subject Code: 56606 / Elective I : Internet of Things

Tuesday, May 28, 2019 10:30 am - 01:30 pm   1T00145 - M.C.A. (Sem. V)(Choice Base) (R-2018-19) / 56606 - Elective I: Internet of Things   58733

(3 Hours)   **Total Marks: 80**

Note:
- a) Question No.1 is compulsory.
- b) Attempt any three from the remaining five questions.
- c) Answer to sub questions should be answered together.
- d) Illustrate answers with diagrams wherever necessary.

Q1	A	What is M2M? Explain M2M to IOT architecture in detail.	10
	B	Explain IOT in terms of agriculture with suitable example	10
Q2	A	Explain open source prototyping platform for IOT.	10
	B	Explain Wireless Sensor Networks in detail	10
Q3	A	Explain Functional View, Information View architectural views of IOT reference architecture.	10
	B	What is ONS (object naming service)? Explain.	10
Q4	A	Explain sensors and interfacing for IOT.	10
	B	Explain in detail application of internet of things in city automation and home automation.	10
Q5	A	Explain in detail design guidelines for Internet of Things.	
	B	How big data can be use in IOT? Explain.	10

Q6	Write short note (any four)	20

- i) M2M value chains
- ii) IOT reference model
- iii) Real World design constraints
- iv) SOA
- v) Cloud computing
- vi) Embedded systems

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