

(3 Hrs)

Marks : 80

Note :

- Question no. 1 is compulsory.
- Solve any three questions out of remaining.
- Make suitable assumptions whenever necessary.
- Figures to the right indicates full marks

Q.1 [a]	Explain IoT protocols and communication models.	05
Q.1 [b]	Write a short note on Arduino programming for IoT.	05
Q.1 [c]	Explain RTLS in Healthcare system.	05
Q.1 [d]	Object Naming Service.	05
Q.2 [a]	Explain Mashup. Explain its role in IoT environment.	10
Q.2 [b]	Explain secured communication for smart IoT objects	10
Q.3 [a]	Explain in detail Business Processes in IoT	10
Q.3 [b]	Explain the relationship between IoT, Big data and Cloud Computing	10
Q.4 [a]	Explain Multiagent system.	10
Q.4 [b]	Explain Wireless sensor network in IoT.	10
Q.5 [a]	Explain IoT technologies: RFID and NFC. What is the difference between them.	10
Q.5 [b]	Explain the concept of web of things and Cloud of things	10
Q.6	Write Short note on (any 2) [a] Energy Management and smart homes [b] Internet of things for ambient assisted living [c] Intelligent Transport	20