

Time : 3Hrs

Marks : 80

- N.B.**
:
1) Question No.1 is **compulsory**.
2) Attempt any **three** from the remaining **five** questions.
3) Illustrate answers with neat sketches wherever required.
4) Answers to questions should be written **together**

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|-------------|-----|---|----|
| Q.1. | (a) | Explain IoT value chain | 10 |
| | (b) | Give difference between M2M and IoT | 05 |
| | (c) | Explain role of WSN in IoT | 05 |
| Q.2. | (a) | Explain open source prototyping platform for IoT | 10 |
| | (b) | Explain Architecture reference model for IoT | 10 |
| Q.3. | (a) | Explain application of IoT for smart cities | 10 |
| | (b) | Explain role of Big Data in IoT | 10 |
| Q.4. | (a) | Explain the OCG Functional architecture and interactions using suitable diagram | 10 |
| | (b) | Explain sensors and interfacing in IoT | 10 |
| Q.5. | (a) | Explain in detail smart application of IoT for healthcare | 10 |
| | (b) | Explain SOA for IoT | 10 |
| Q.6. | | Write Short note on any four | 20 |
| | (a) | Motion Sensors | |
| | (b) | Real world design Constraints of IoT | |
| | (c) | M2M key application areas | |
| | (d) | Cloud computing | |
| | (e) | RFID | |
