

(3 Hours)

Total Marks: 80

Note:

- Question No.1 is compulsory.
- Attempt any three from the remaining five questions.
- Answer to sub questions should be answered together.
- 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. 10
- B How big data can be use in IOT? Explain. 10

Q6

- Write short note (any four) 20
- M2M value chains
 - IOT reference model
 - Real World design constraints
 - SOA
 - Cloud computing
 - Embedded systems