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Question Paper Code :

**ANIL NEERUKONDA INSTITUTE OF TECHNOLOGY & SCIENCES
(AUTONOMOUS)**

M.Tech II-Semester Regular Examinations, May 2016

**Internet Of Things (Elective-III)
(Computer Science & Technology)**

Date:

Time: 3 hours

Max Marks: 60

Answer ONE Question from each unit

All questions carry equal marks

All parts of the question must be answered at one place only

UNIT – I

1. (a) Explain about WWW and Internet (4M)
(b) Define IOT, Explain about Things / Objects in IOT with example (8M)

OR

2. (a) Explain about various protocols used in IOT (4M)
(b) Explain identifier, enabling technologies of IOT (8M)

UNIT – II

3. (a) Define RFID, explain principles of RFID (6M)
(b) Explain about components of RFID Systems and Issues (6M)

OR

4. (a) Explain the concepts and terminologies of RFID Applications (4M)
(b) Explain about various ongoing research projects in IOT (8M)

UNIT – III

5. (a) Define WSN (4M)
(b) Explain about various concepts involved in WSN (8M)

OR

6. (a) Explain history and Context of WSN (4M)
(b) Explain about Secure Communication and standards in WSN (8M)

UNIT – IV

7. (a) Define PLC and its existing standards and technologies (4M)
(b) Design an architecture for home network application (8M)

OR

8. (a) List various architectures of home network applications (4M)
(b) Explain about Internet of things using PLC technology (8M)

UNIT – V

9. (a) Describe about Localization and handover management on RFID (4M)
(b) Explain about technology consideration and performance evaluation (8M)

OR

- 10 (a) Explain about standardizing the IOT ? (4M)
(b) Describe about exploiting the potential of IOT, promoting ubiquitous networking (8M)
