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SIDDHARTH INSTITUTE OF ENGINEERING & TECHNOLOGY:: PUTTUR
(AUTONOMOUS)**M.Tech I Year II Semester (R16) Regular Examinations May/June 2017****RADIO FREQUENCY IDENTIFICATION**

(Embedded Systems)

(For Students admitted in 2016 only)

Time: **3 hours**Max. Marks:**60**(Answer all Five Units **5 X 12 =60** Marks)**UNIT-I**

- 1 a Write a short notes on a) Antennas and radio of RFID (b) RFID Technology 6M
b Explain in detail about any two applications of RFID. 6M

OR

- 2 a What are the elements of an RFID system? Explain the role of each element. 6M
b Explain the effect of environment on RFID system. 6M

UNIT-II

- 3 a Explain in detail about the history of evolution of industry for RFID 6M
b Comment on low cost RFID protocols. 6M

OR

- 4 a Write short notes on (a) Privacy of RFID system (b) The six Auto-ID labs 6M
b What is meant by distributed intelligent systems center and explain it? 6M

UNIT-III

- 5 a List out the different kinds of RFID systems and briefly explain them. 8M
b What is the use of Physical markup language in RFID and explain in detail. 4M

OR

- 6 a Explain in detail how to integrate client using RFID technology. 6M
b Integrate the RFID with enterprise applications and explain in detail. 6M

UNIT-IV

- 7 a Explain in detail about integrity and security of the system of RFID technology 8M
b Give a brief note about labor impact. 4M

OR

- 8 a What is the current state of RFID policy and briefly explain it. 6M
b Discuss in detail about privacy as a fundamental human right. 6M

UNIT-V

- 9 a Explain how the project jump start created to test full deployment of RFID tracking in the pharmaceutical industry. 6M
b Define logistics in the military. What are the various aspects of military operations the logistics deal with? Explain in detail. 6M

OR

- 10 Write short notes on the following 6+6 M
a. Transforming the battle field with RFID b. RFID in the store

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