M. TECH DEGREE EXAMINATION
MODEL QUESTION PAPER - II
First Semester
Branch: Information Technology
Specialization: Network Engineering

MITNE 106-4   NETWORKING IN EMBEDDED SYSTEMS

(Regular - 2013 Admission Onwards)

Time: Three hours   Maximum: 100 Marks

1.a. Give short note on Firewire.   (5 marks)

  b. Explain RS 485 standard.   (20 marks)

OR

2.a. Explain ISA/PCI Bus protocols   (15 marks)

  b. Explain Serial Peripheral Interface   (10 marks)

3.a. Give a short note on USB bus   (5 marks)

  b. Explian USB bus communication   (10 marks)

  c. Give a short note on Enumerators and descriptors in USB bus   (10 marks)

OR

4.a. Explain in detail about CAN bus   (25 marks)

  5.a. Explain in detail about the components needed in building a network.   (25 marks)

OR

6.a.Give a short note on Ethernet Controllers   (7 marks)

  b. Explain in detail about how devices and networks can be kept secure.   (18 marks)

7.a. Explain about the applications of wireless sensor networks.   (10 marks)

  b. Explain any one Data Centric routing protocol   (15 marks)

OR

8.a. Give a short note on localization and time synchronization in wireless sensor networks. (10 marks)

  b. Explain in detail SMAC.   (15 marks)