M.E DEGREE EXAMINATIONS: NOV/DEC 2014

(Regulation 2013)

Third Semester

EMBEDDED SYSTEMS

P13ESTE09: Embedded Networking

Time: Three Hours   **Maximum Marks: 100**

Answer all the Questions:-

PART A (10 x 2 = 20 Marks)

1. Define Embedded Networking.

2. List the communication requirements of Embedded system.

3. Why CAN Network is called as CAN open configuration network?

4. Distinguish between identifiers and objects.

5. What is Network Management?

6. What is the necessity of conformance test?

7. What is STB configuration?

8. Draw the CAN arbitration process.

9. What is Micro CAN open?

10. What is the function of physical layer?

Answer any FIVE Questions:-

PART B (5 x 16 = 80 Marks)

Q.No:11 is Compulsory

11.   Explain the importance of CAN bus in Automobile industry with necessary diagram.

12.   Discuss how the electronic data sheet specifies the contents of object dictionaries.

13. (i)   Write short notes on CAN advance features and testing.   (8)

    (ii) Write short notes on the CAN overall network configuration.   (8)

14. (i) Write short notes on network commissioning. (8)

    (ii) Discuss the overview of underlying technology of CAN. (8)

15. With Example explain the Entire Design Cycle of CAN.

16. Explain the implementation issues of CAN by considering all the factors.

****