

AUTOMOTIVE ELECTRONICS

QUESTION BANK

Unit-1

INTRODUCTION TO ECU

13 marks and 15 marks

1. Explain different strokes of SI engine with suitable diagram.
2. Illustrate different strokes of CI engine with suitable diagram
3. Discuss the types of Exhaust emission in detail.
4. Describe the fuel economy requirements in detail.
5. Describe with a schematic operation of electronic engine management system applicable for CI engine and mention its merits and demerits over mechanical engine.
6. Discuss the significance of Performance parameters of a Diesel Engine in detail.
7. Illustrate the function of Three way catalytic converter.
8. Explain the working of Electronic Fuel Control System with relevant block diagram.
9. Illustrate the analysis of intake manifold pressure in detail.
10. With neat block diagram explain about idle speed control
11. Elaborate the Electronic ignition system with neat block diagram.
12. Explain different types of mode in fuel control system.