

# **AUTOMOTIVE ELECTRONICS**

## **QUESTION BANK**

### **Unit-1**

#### **INTRODUCTION TO ECU**

##### **Two Marks**

1. What is SI Engine?
2. Name the different types of SI engine.
3. What is CI Engine?
4. Compare SI and CI Engine.
5. Name some after treatment devices used in SI Engine.
6. Name some after treatment devices used in CI Engine.
7. List the emission content in exhaust.
8. What is the purpose of Electronic Control System
9. List the advantages and disadvantages of Electronic Control System.
10. Draw the block diagram of Electronic Control system and name its parts.
11. Define Knocking.
12. Define detonation.
13. Name the engine performance terms.
14. Write the function of catalytic converter.
15. List the advantages of Inlet manifold pressure sensor.
16. Write the function of Inlet manifold pressure sensor.
17. Define Governing.
18. Why idle speed control is must?
19. What is EGR ?
20. List the function of EGR?
21. Draw the block diagram of Electronic fuel control system.
22. Draw the curve for Conversion efficiency of a TWC versus air/fuel.