

# **AUTOMOTIVE ELECTRONICS**

## **QUESTION BANK**

### **UNIT-2**

#### **AUTOMOTIVE SENSORS AND ACTUATORS**

##### **13 mark & 16 marks**

1. Explain different type of sensor in details with block diagram and variables to be measured.
2. Draw the air flow rate sensor block diagram and explain in detail with circuit diagram
3. Explain in details of strain gauge MAP sensor with circuit diagram.
4. Draw the Engine crank shaft angular position sensor and explain in detail
5. How Magnetic Reluctance position sensor will function explain in details with circuit diagram.
6. How throttle angular sensor will function explain in details with circuit diagram
7. Draw a typical coolant temperature sensor explain its function with block diagram
8. Explain in details of Knock sensor with its function along with block diagram.
9. Explain any four Engine Control Actuators in details along with functions.
10. What is mean be vacuum operated actuator explain in details.