

- b. List and explain electronic components.
- 8 a. With schematic diagram, explain of micro controller peripheral modules.
 b. Explain manufacture of semiconductor components and circuits.
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UNIT - V

9 a.	Discuss sensor application in the vehicle.
b.	Explain potentiometer type sensor and mention their advantages and disadvantages.
c.	With a neat sketch, explain ultrasonic sensor and fuel level sensor,
10.	With a neat sketch, explain the following with applications:
	i) Steering wheel angle sensor

- ii) Hall effect phase sensor
- iii) Sensor plate potentiometer
- iv) Accelerator pedal sensor

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