

Name: **SOLUTION**

Reg. No: _____

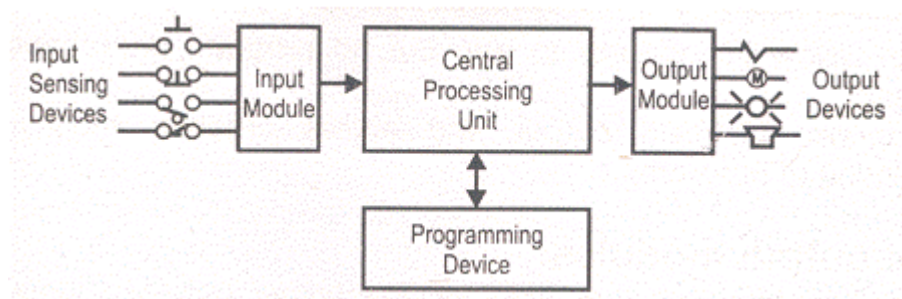
1. List few input devices used in industrial automation.

sensors, switches

2. List few output devices used in industrial automation.

Contactors, motor starters, valves

3. Draw the basic block diagram of a Programmable logic controller.



4. What are advantages of PLC in industrial automation?

- Consistency in manufacturing can be easily achieved.
- Complete control of the manufacturing process can be achieved.
- Accuracy and quality can be improved.
- Productivity can be improved.
- Makes it easy to work in difficult or hazardous environment.

5. List the advantages of using microcontrollers in industrial automation applications.

- Low power consumption
 - Efficient signal processing
 - Wireless communication
- _____