Assignment 03

Suppose you are working at the warehouse of Amazon. A robot is used over there to pick and place items in the warehouse. The robot can follow a line and place items in a particular place. To make a smooth movement, you have to use the PID algorithm for the robot control unit. Explain

- What kind of sensor you will use to follow the line
- How many Sensors will you use and why
- How will you calculate the error in movement and implement it in your PID algorithm
- Explain the tuning method of your PID algorithm

You can use flowchart, drawing, and block diagram to explain your answer