Assignment 12

The due date for submitting this assignment has passed.

As per our records you have not submitted this assignment.

1) Control resolution is the
   - smallest changes that the control system can distinguish
   - parameter that defines the ability of a control system to establish the system.
   - function of $X_u$ (proportional gain only)
   - function of $X_u$ (derivative gain only)
   - No, the answer is incorrect.
   - Score: 0
   - Accepted Answers:
     enabled changes that the control system can distinguish

2) Accuracy is
   - Independent of the resolution
   - One-third of the control resolution
   - Half the control resolution
   - Two-thirds of the control resolution
   - No, the answer is incorrect.
   - Score: 0
   - Accepted Answers:
     Half the control resolution

3) XML language is based on
   - PURXML language
   - RHNRE language
   - COBOL language
   - Assembly language
   - No, the answer is incorrect.
   - Score: 0
   - Accepted Answers:
     RHNRE language

4) Why are the two commands MOVE and MOVED required?
   - To eliminate faster
   - To improve the accuracy
   - To save energy
   - To save time
   - No, the answer is incorrect.
   - Score: 0
   - Accepted Answers:
     To save time

5) While positioning the gripper before moving to grasp an object, the command used is
   - SET
   - APPR
   - HERE
   - MOSET
   - No, the answer is incorrect.
   - Score: 0
   - Accepted Answers:
     MOSET

6) While planning a path to move the end effector from one point to another
   - A straight path is preferred
   - A best shaped curve is preferred
   - The least number of joints are moved
   - All the joints are actuated to reduce time taken
   - No, the answer is incorrect.
   - Score: 0
   - Accepted Answers:
     The least number of joints are moved

7) The closed loop command for closing the gripper is
   - CLOSE
   - CLOSET
   - CLOSET 75
   - CLOSED
   - No, the answer is incorrect.
   - Score: 0
   - Accepted Answers:
     CLOSED

8) The simplest method by which a robot communicates with another machine is using
   - the command SDSTM
   - Electro signals
   - Mechanical wave signals (like ultrasonic sound wave)
   - Pressure sensors
   - No, the answer is incorrect.
   - Score: 0
   - Accepted Answers:
     The command SDSTM

9) An analog signal is converted to digital signal in a proper channel by
   - MANDM
   - Using the command ADC
   - Using a half wave rectifier
   - Using a full wave rectifier
   - No, the answer is incorrect.
   - Score: 0
   - Accepted Answers:
     Using the command ADC

10) An expert welder can teach arc welding to a robot by
    - Giving appropriate commands to the robot using a suitable machine language
    - Giving appropriate commands to the robot using a suitable assembly language
    - Recording the joint movement of the welder using high-definition cameras
    - Least through teaching using a joystick
    - No, the answer is incorrect.
    - Score: 0
    - Accepted Answers:
      Least through teaching using a joystick