MCD 2001: PRINCIPLES OF ROBOTICS AND APPLICATION

Instructions: Answer Any Two Questions from each module
All questions carry equal marks

MODULE-1

1. What are the different robotic drive systems and explain the relative merits and demerits of each system with figure.

2. Explain the different robotic controllers used in a Robotic system.

3. Briefly explain the different robotic configurations with fig and enumerate the applications of each type.

MODULE-2

4. Explain the significance of WAIT, SIGNAL AND DELAY commands in robot programming

5. What are the different considerations in gripper selection and design.

6. Explain with neat figures the different types of tactile sensors used in Robots.

MODULE-3

7. Explain the application of Industrial Robots in Material Transfer.

8. Briefly explain the robot language structure with different modes.

9. Explain the different generations of robot programming languages with examples and applications.