

B.E DEGREE EXAMINATIONS: NOV/DEC 2010

Sixth Semester

MECHANICAL ENGINEERING

U07ME605: Industrial Robotics

Time: Three Hours

Maximum Marks: 100

Answer ALL Questions:-

PART A (10 x 1 = 10 Marks)

1. The name of the robot hand is
 - a) Arm
 - b) Wrist
 - c) End Effectors
 - d) Pivot
2. The traverse movement that is used for up or down application of the robot is
 - a) Horizontal
 - b) Vertical
 - c) Radial
 - d) Rotational
3. The type of drive system that is used for high load application is
 - a) Pneumatic
 - b) Electrical
 - c) Magnetic
 - d) Hydraulic
4. ----- device is used to remove work piece from the magnetic gripper
 - a) Stripping device
 - b) Mating device
 - c) Connecting device
 - d) Mandling device
5. Under which category incremental encoder is used -----
 - a) Optical encoder
 - b) Soft encoder
 - c) Encoder
 - d) Digital encoder
6. ----- represents the number of pixel within the image that have the same intensity
 - a) Noise reduction
 - b) Image data reduction
 - c) Segmentation
 - d) Histogram
7. Which method is used for teach pendant?
 - a) Lead through programming method
 - b) Manual method
 - c) Walk through method
 - d) Off-line program method
8. The language that has the capability to control two robot arm at the same time is
 - a) JARS
 - b) HELP
 - c) AML
 - d) RAIL

