

23. Differentiate between robot oriented languages and task level programming languages. [K₃]
24. State and explain the industrial applications of robot. [K₃]
25. Differentiate between hydraulic and electric actuating systems. [K₂]
26. Describe about segmentation using motion-tracking. [K₃]

PART D (4 x 10 = 40 Marks)

27. Construct a work cell layout for the following conditions. The work cell consists of a large robot, a numerically controlled machine centre, belt conveyor for delivering the work parts into the cell. Finished parts are placed on a pallet. Construct the work cell layout and explain the sequence of activities. [K₆]
28. With the help of neat diagram, illustrate the scheme of robot sensors. [K₃]
29. Discuss in detail Ten elements in RTM. [K₄]
30. Characterize the interpolation methods using lead through programming. [K₅]
