Student Name: ……..

1. Question (1) Marks (10)

For the shown mechanism crank 2 rotates with constant angular velocity $\omega_{21}=25\ s^{-1}$

Given $M_L=10$ cm/cm

a) Construct the velocity and acceleration diagrams.

b) Determine the velocity and acceleration of both slider link 5 and 6.

c) Determine $\omega_{31}, \omega_{41}, \alpha_{31}, \alpha_{41}$