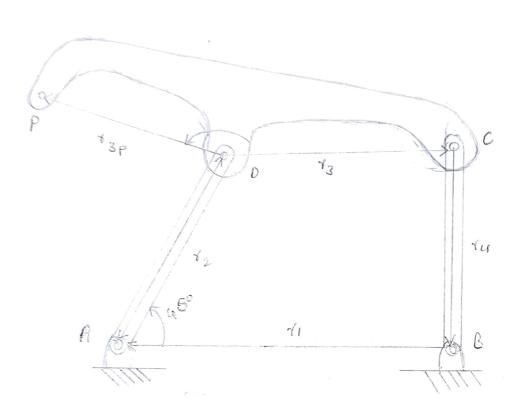
(19



$$\omega_2 = 0.5 \text{ rad/s}$$

Jpy = 40 72 cos02 + 730 cos03p - (ix)

For yanis

sowing equation (i) and (ii)

+ 141 x1 x 1 + 120 x 60 3 x 0 + 100 x 60 4 x sin (-00) =0 141 × 1 × 1 + 120 × 103 × 1 + 100 × 10 , × 0 =0

Thus we have:wy = 0.4985 . w3 = - 0.4154

From equation (i) W3p = 03 = -0.4154

Upn = -141 x0.5 x sinus - 200 x (-0.4154) x sin 135.

= 8-896

Jpy = 141 x0.5 x ws 45 + 200 x(-0-4154) N COS 135

= 108.6

Vp = Vpy2 + Vpy2

=  $\sqrt{8.896^2 + 108.6^2}$ 

= 108.96 cm/s