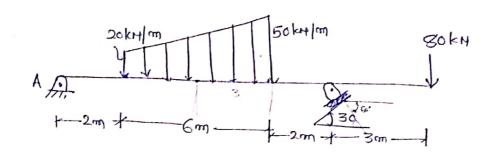


$$\Rightarrow (R_{BV} \times 10) - (1/2 \times 4 \times 45 \times 8.67) - (30 \times 6) - 40 - (20 \times 6 \times 3) = 0$$

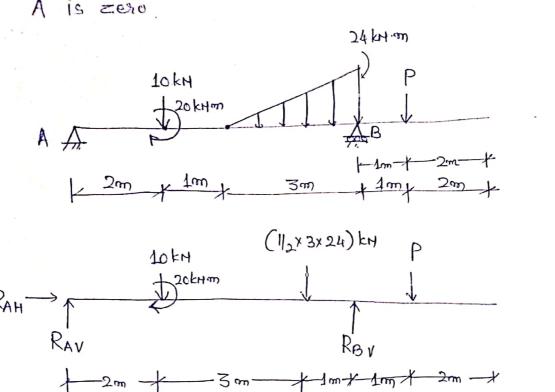
$$\Rightarrow$$
 Using eq²(i)
 $R_{AV} = 240 - 136.03 = +105.97 \text{ kH}(1)$

Ex 2 Find the support reactions at A and B.



$$-(20\times6)\times5)=0$$

3 Find analytically the support reaction at B and the load P for the following beam if the reaction of support A is zero.



$$\Rightarrow$$
 RAV - 10 - (1/2×3×24) + RBV - P = 0

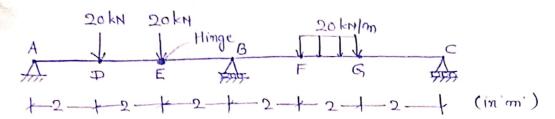
_____(ii)

___(ì)

(RAV=0)

Using eq (i) and (ii)

id the support reactions of the bearm



RAH

RAH

RAN

$$E = 0$$
 $E = 0$
 $E =$

$$\geq M_B = 0 \Rightarrow +(30 \times 2) - (40 \times 3) + (R_C \times \times 6) = 0$$

 $\Rightarrow R_{CV} = 120 - 60 = 10 \text{ ky (1)}$
 $\Rightarrow R_{BV} = 60 \text{ ky (1)}$

$$-(10\times10)-20=0$$