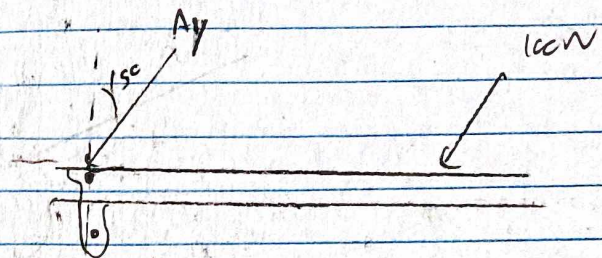
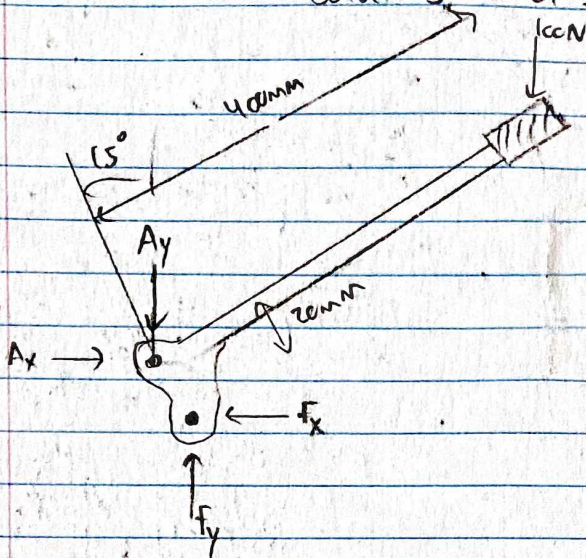


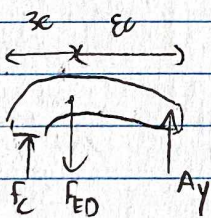
Solution: 21-5-6.6-MH-04



$$\sum F_x = 0$$

$$\sum M_P = 20(A_y \sin 15) - (100 \cos 15)(400) + 100(\sin 15)(20)$$

$$A_y = 73641.1 \text{ N}$$



$$\sum M_E = 0 \quad (73641.1 \text{ N})(60) - F_c(30) \quad \rightarrow \quad F_c = 19637.6 \text{ N}$$