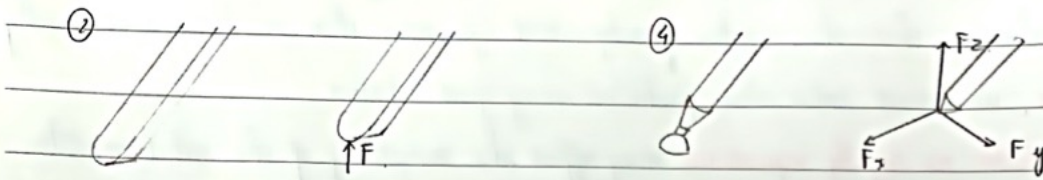
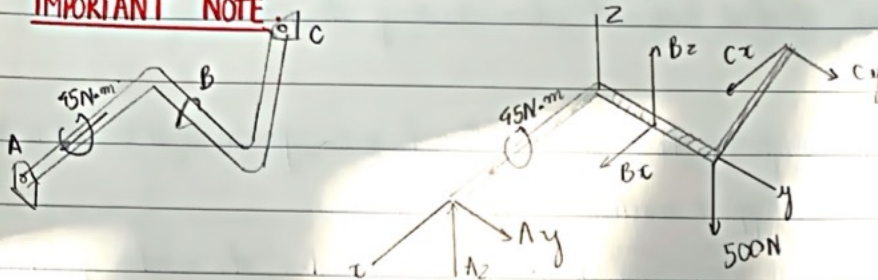


### III SUPPORT REACTIONS IN 3-D (table 5-2)



As a general rule, if a support prevents translation of a body in a given direction, then a reaction force acting in the opposite direction is developed on the body. Similarly, if rotation is prevented, a couple moment is exerted on the body by the support.

#### IMPORTANT NOTE



A single bearing or hinge can prevent rotation by providing a resistive couple moment. However, it is usually preferred to use two or more properly aligned bearings or hinges. Thus, in these cases, only forces reactions are generated and there are no moment reactions created.