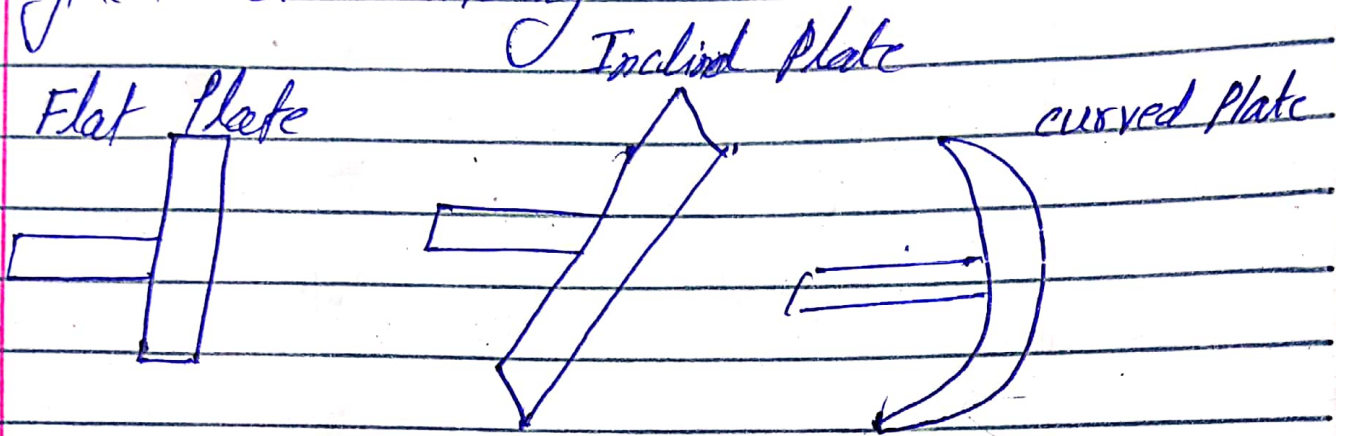


§ Impact of jet means \rightarrow force exerted by the fluid jet on a plate. The plate may be flat, curved or inclined which it may be fixed or moving.



For Newton's second law of motion the rate of change of momentum is directly proportional to the impressed force and takes place in the same direction in which the force act.

Force = rate change of momentum

$$F = \frac{d}{dt} (m \cdot v)$$

$$F = m \frac{dv}{dt} \quad \text{--- (1)}$$

$$F = m \cdot a \quad \text{--- (2)}$$

For eq 1 and 2

$$\boxed{F \cdot dt = d(mv)}$$