

## $M.I. = \frac{MR^2}{2} (1 + \cos^2 \alpha)$

(7)

## When $\alpha$ is the angle of inclination of axis from axis of ring. So,

M.I. =  $\frac{MR^2}{2}(1 + \cos^2 \alpha) = \frac{MR^2}{2}(1 + \frac{3}{4}) = \frac{7}{8}MR^2$ .