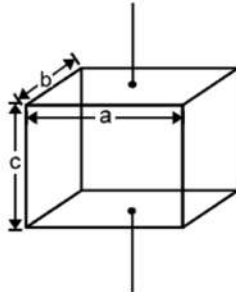
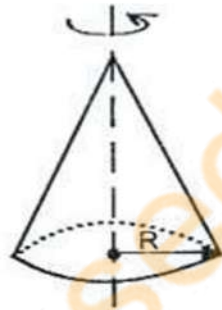


**12. Uniform Cuboid (about axis through its centre and perpendicular to its face)**



$$\frac{M(a^2 + b^2)}{12} \text{ (Uniform)}$$

**13. Uniform Cone (about its axis)**



$$\frac{3}{10} MR^2 \text{ (Uniform)}$$

✓ **Theorem of Parallel Axes:**

The moment of inertia of a rigid body about any axis is the sum of the moment of inertia of the same body about a parallel axis passing through its centre of mass ( $I_{cm}$ ) and product of mass of the body and square of the perpendicular distance between the two axes.

