

SURFACE, AREA & VOLUMES**Cuboid and cube**

- (i) Total surface area of cuboid
 $2(\ell b + bh + \ell h)$
- (ii) Lateral surface area of cuboid $2(bh + \ell h)$
- (iii) Volume of cuboid : ℓbh
- (iv) Lateral surface area of cube : $4a^2$
- (v) Total surface area of cube : $6a^2$

Sphere and Hemi-sphere

- (i) Surface area of sphere : $4\pi r^2$
- (ii) Curved surface area of hemi-sphere $2\pi r^2$
- (iii) Total surface area of hemi-sphere $3\pi r^2$
- (iv) Volume of sphere : $\frac{4}{3}\pi r^3$

Right circular cylinder

- (i) Curved surface area of a cylinder $2\pi rh$
- (ii) Total surface area of a cylinder
 $2\pi r(h + r)$

Right circular cone

- (i) Curved surface area of a cone : $\pi r\ell$
- (ii) Total surface area of a cone $\pi r(r + \ell)$