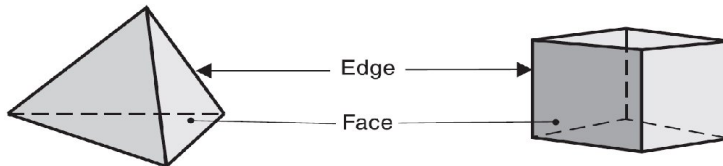# Engineering Drawing

Anup Ghosh

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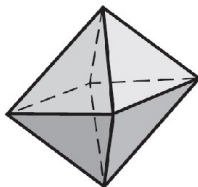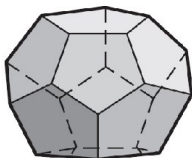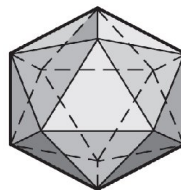
August 29, 2011
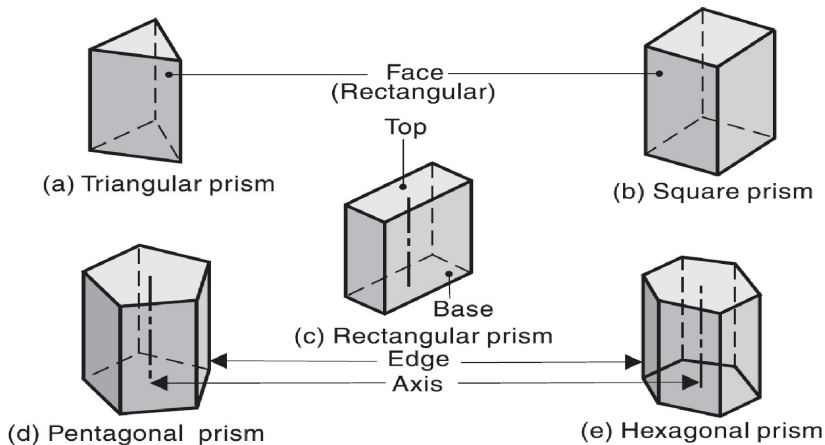
Polyhedra

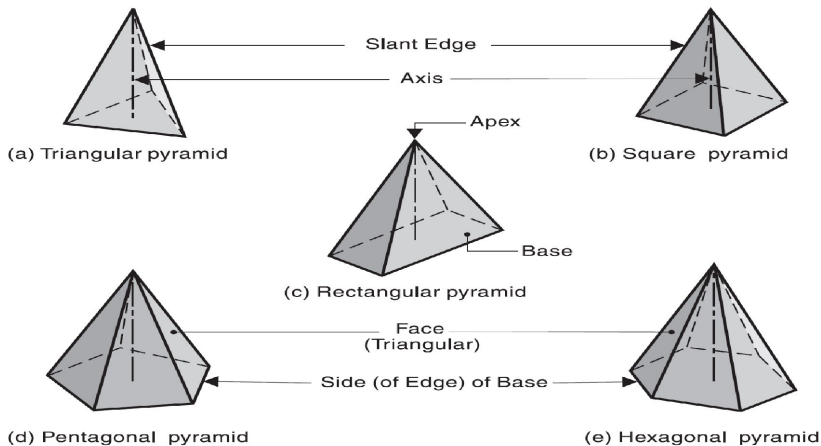(a) Tetrahedron
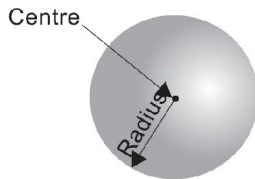
(b) Cube

(c) Octahedron

(d) Dodecahedron

(e) Icosahedron

Prisms

(a) Triangular prism

(b) Square prism

(c) Rectangular prism

(d) Pentagonal prism

(e) Hexagonal prism

Face (Rectangular)

Top

Base

Edge

Axis

Pyramids

(a) Triangular pyramid

(b) Square pyramid

(c) Rectangular pyramid

(d) Pentagonal pyramid

(e) Hexagonal pyramid

Slant Edge

Axis

Apex

Base

Face (Triangular)

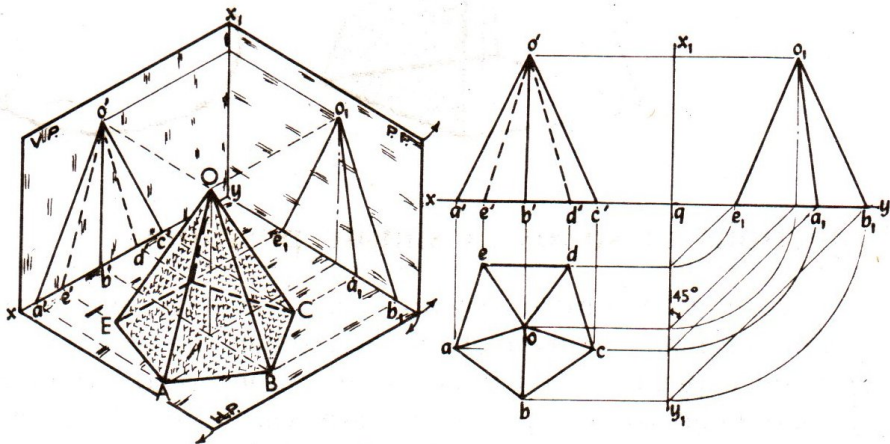Side (of Edge) of Base
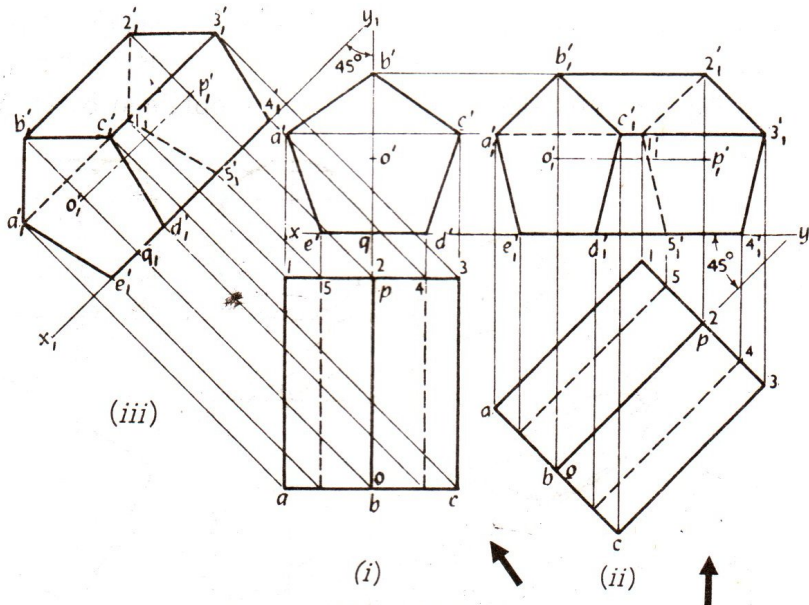
Solids of revolution

(a) Cylinder

(b) Cone
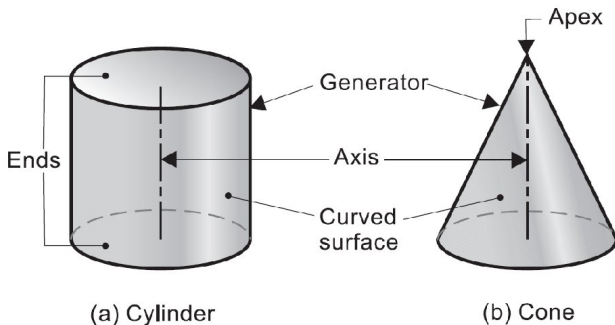
(c) Sphere

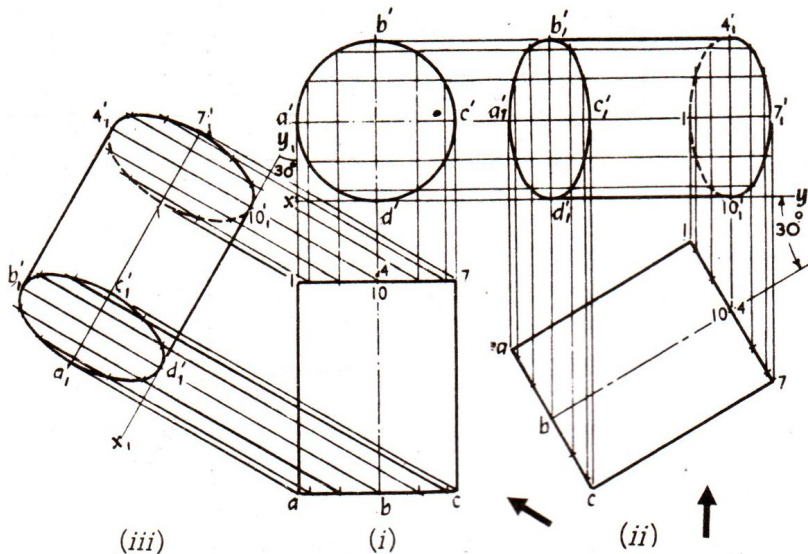# Simple position and side view

Axis inclined to VP and parallel to HP
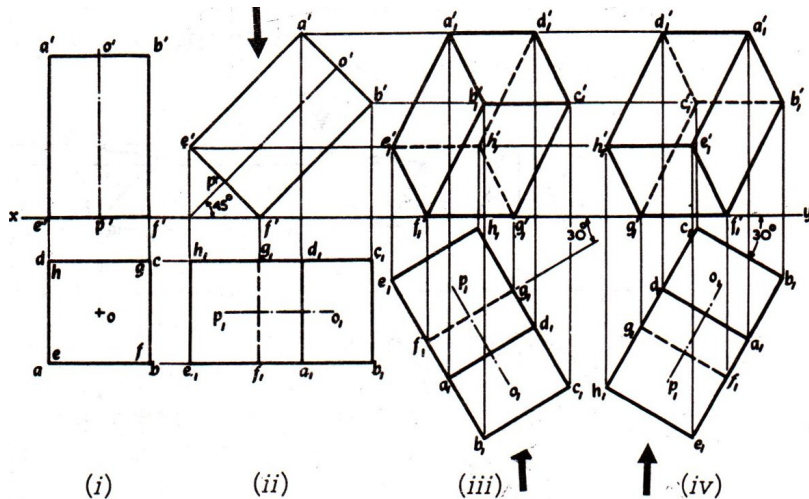
Axis inclined to VP and parallel to HP

(iii)   *(i)*   *(ii)*

Axis inclined to both HP and VP
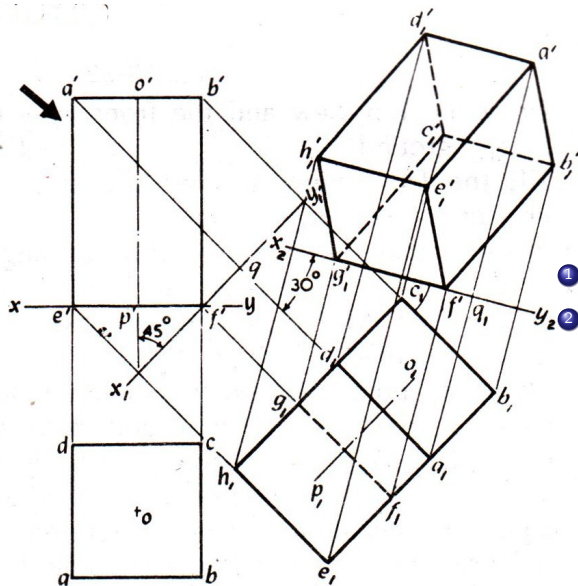
1. Base = 40, ht = 65,
2. Axis 45^0 to HP and 30^0 to VP

Axis inclined to both HP and VP

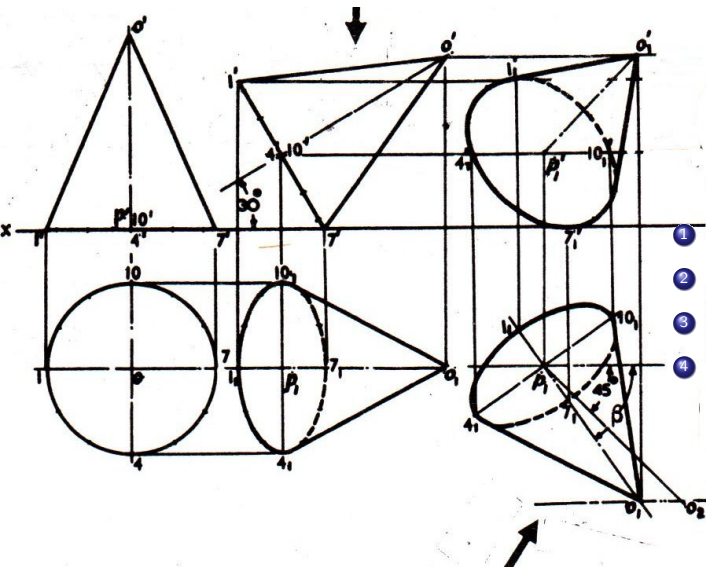(i) (ii) (iii) (iv)

Axis inclined to both HP and VP

1. Base dis 45mm
2. Height is 50mm
3. Axis 30^0 with HP
4. **Top view 45^0 with VP**
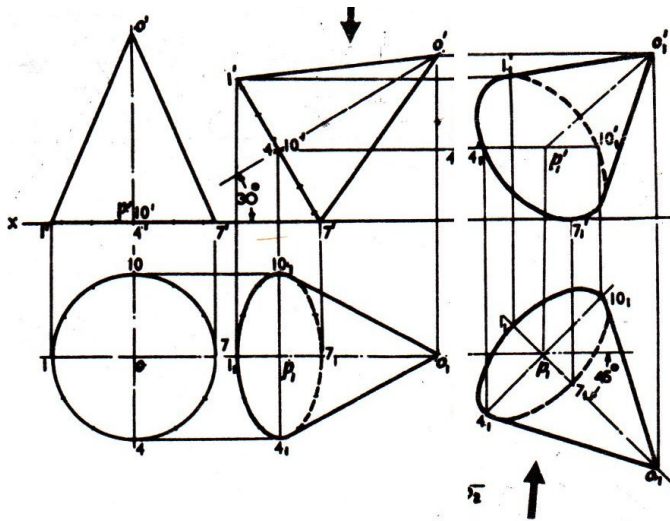
Axis inclined to both HP and VP

1. Base dis 45mm
2. Height is 50mm
3. Axis 30^0 with HP
4. **Axis 45^0 with VP**

Naming convention

1. All **visible** points are marked **out side** the drawing
2. All **hidden** points and marked **inside** the drawing.