

## **Key points for Projection of planes**

### **Projection of planes inclined to one reference plane**

Projections of such planes are drawn in two stages.

#### **➤ When plane is in HP**

- In first or initial stage when the plane is in HP the top view will be true shape and size and front view will be an edge view, i.e. a straight line.
- In second stage, tilt the FV of first stage so that it makes given angle with HP. Take vertical projection from this FV and horizontal projection from first stage TV to complete the TV of second stage.

#### **➤ When plane is in VP**

- In first or initial stage when the plane is in VP the front view will be true shape and size and top view will be an edge view, i.e. a straight line.
- In second stage, tilt the TV of first stage so that it makes given angle with VP. Take projection from this TV vertically upward and horizontal projection from first stage FV. To complete the FV of second stage.

**Always make sure that the condition specified about the plane (i. e. plane resting on its side or plane resting on one of its corner)(while drawing first stage) should come on your left side. So when you rotate the line view that specified side or corner will retain on XY line.**

**All FV points with dash and TV points without dash.**