

Elect/Elect

Bello Haroof 18/ENH04/023

- i) 45° hatching
- ii) Dimension lines should be thin lines
- iii) Dimension lines should be terminated by arrow heads.
- iv) Dimension lines should not cross one another.
- v) Dimension lines should not obstruct drawing lines.

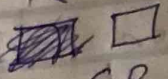

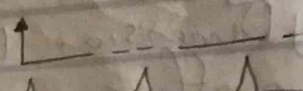

3) Half section:- A view of an object showing  $\frac{1}{2}$  of the view in section.

Full section:- A view of an object when the cutting plane passes through the full object

4) By an arrow

5) 5:1  $\Rightarrow$  The drawing is 5 times bigger than the original

1:10  $\Rightarrow$  the drawing is 10 times smaller

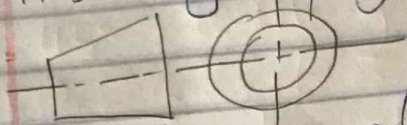
- 6) diameter  $\phi$   
 radius  $R$   
 square   
 spherical radius  $SR$   
 centre line   
 cutting plane line   
 long break 

- 7) hidden details, angles, dimensions, center lines, parallel lines.

orthographic projection: A method of projection in which an object is depicted using parallel lines to project its outline on to a plane.

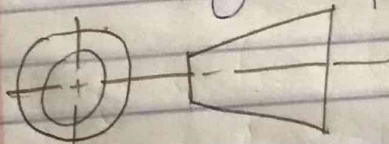
- 8) When the projections from the object are perpendicular to the projection plane, it is called

### 9) First angle projection



The plan is always at the bottom quadrant and the side and front views are at the top.

### Third angle projection



The plan is always at the top quadrant & the side & front views are at the bottom.

### Objectives

- |      |       |        |
|------|-------|--------|
| 1) a | (6) b | (11) c |
| 2) a | (7) c | 12) a  |
| 3) c | 8) b  | 13) c  |
| 4) b | 9) b  | 14) c  |
| 5) a | 10) a | 15) d  |