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MAT. No :- 19/ENG 06/065

DEPT :- MECHANICAL

1) Sectioned surface on a drawing are represented by hidden line called sectioning lines

2) Dimensions should not be duplicated

- Arrowheads should be approximately triangular, uniform size and touch the dimension line
- Similar spacings should be made between dimension lines

3) A half-section is a view of an object showing one-half of the view & in section

A full-section is a view of an object showing the cutting plane passing ^{entirely} through an object.

4) A leader line can be terminated in 3 different ways

- no crossing leaders
- No Excessively long leaders
- No leaders that are parallel to dimension or extension lines

5a) Scale = 5:1 → This means that the drawing would be drawn 5 times more than its original size

5b) Scale = 1:10 → This means that the drawing would be drawn 10 times less than its original size by dividing the original size by 10

6) Diameter → \varnothing

Radius → R

Square →

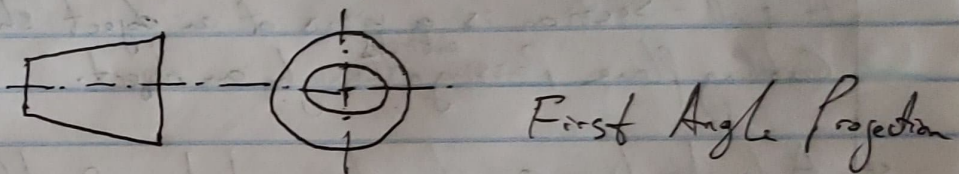
Spherical radius → Spherical R

- 7) Front View
 Top View
 Side View

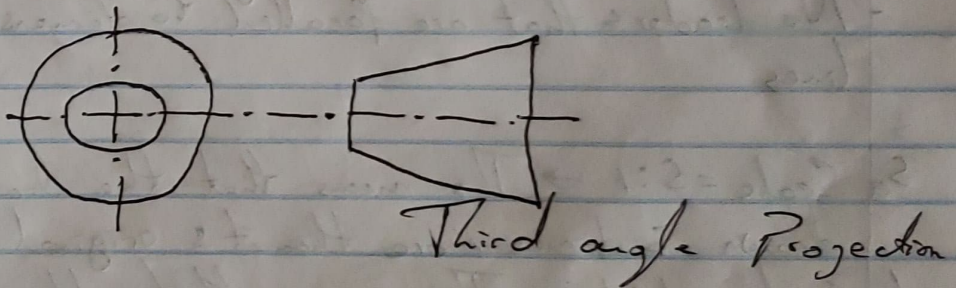
Orthographic projection is the ~~the~~ representing of a 3D 3-dimensional objects in two dimension.

8) Projection of an object is called an orthographic projection when the object is viewed along parallel lines that are perpendicular to the plane of the drawing

9) First angle Projection is where the 3D of an object is in the 1st quadrant



Third angle Projection is the projection of an object in the 3rd quadrant



OBJECTIVES

- | | | | |
|---|--------------|----|---|
| 1 | A | 10 | A |
| 2 | A | 11 | C |
| 3 | C | 12 | A |
| 4 | B | 13 | C |
| 5 | A | 14 | C |
| 6 | B | 15 | D |
| 7 | C | | |
| 8 | A | | |
| 9 | A | | |