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Department: Mechatronics

Course: Engineering Drawing [ENGL 232]

1) By using cross hatching

2)i) A dimension line should never coincide with an object line or centre line

ii) Dimension should be at least 10mm from the object outline

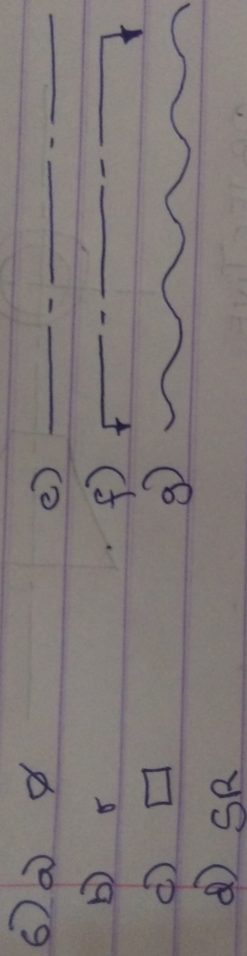
iii) Where there are several parallel dimension line in a group, the dimension figures should be staggered so that they will not interfere with one another

iv) All dimension extension and leader should be thin, sharp and ~~darkness~~ dark line

3 a) Half section:- This is a view of an object showing one half of the view in section

b) Full section:- This is when the imaginary cutting plane passes through the entire object, splitting the down object in two with the interior of the object revealed.

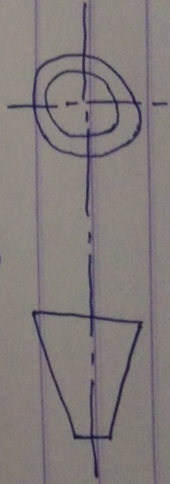
- 4) a) Scale 5:1 :- each dimension represent 5mm and the measurement will be scaled.
- b) Scale 1:10 :- each dimension represent 10mm and the measurement will be scaled



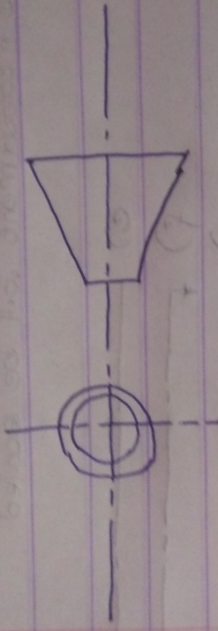
7) Orthographic projection can be defined as the means of representing three dimensional object in two dimension.

8) That is when all of it is represented on the plane in two dimension

9) a) First angle projection :- For the plan position is below and the symbol of representation is



b) Third angle projection :- The plan is placed above in the plane while the front and side are placed below. The symbol for representation is



OBJECTIVE

- | | | |
|----------------------------------|----|----------------------|
| 1) Reference plane (A) | 11 | Cylinder (C) |
| 2) Directly False (B) | 12 | Cone (A) |
| 3) Directly (C) | 13 | Pivot bearing (C) |
| 4) 120° (B) | 14 | 55° (C) |
| 5) 60° (A) | 15 | Horizontal plane (C) |
| 6) Rivet (B) | | |
| 7) Crowing (C) | | |
| 8) 45° (B) | | |
| 9) A circle (A) | | |
| 10) An ellipse (A) | | |