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 DEPT: Petroleum - Engineering
 Course: EGT 232
 Matrix: 18 (ENG071004)

1) By Using Cross hatching

- 2) A dimension line should never coincide with an object ~~with~~ linear centre line.
- (i) Dimension should be at least 10mm from the object end.
- (ii) Where there are several parallel dimension lines in a group the dimension figures should be staggered so that they will not interfere with one another.
- (iii) All dimension extension and leader should be sharp clear lines

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

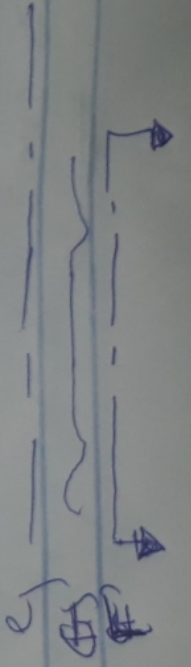
b) Full section: This is when the imaginary cutting plane passes through the entire object, splitting the drawn object in with the interior of the view.

4) A leader line can be terminated by the use of dot at the line ends within outline of the part, and a narrow line for the outline or centre line of a feature or without either as shown.

5) c) Scale 5:1 - Each division represents 5mm and the measurement will be scaled.

7) Scale 1:10 - Each division represents 10mm and the measurement will be scaled.

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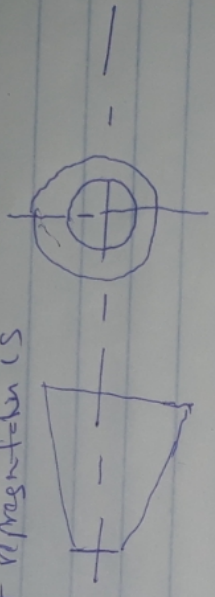
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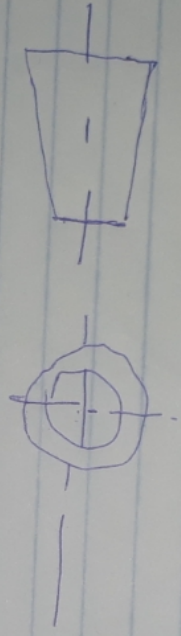
(7) Orthographic projection + This is means of representing three dimensional objects in two dimensions.

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

(a) First angle projection: 1:1 for the plan position is below and the symbol of representation is



(b) Third angle projection: 1:1 for the plan position is below and the symbol of representation is



Objectives

- (1) (a) Reference plane
- (2) (b) false
- (3) (c) Directly
- (4) (b) 120°
- (5) (a) 60°
- (6) (b) Rivet
- (7) (c) crow's
- (8) (b) 45°
- (9) (a) Arcs
- (10) (a) An ellipse
- (11) (c) Cylinder
- (12) (a) Cone
- (13) (c) Pivot bearings
- (14) (c) SS
- (15) (b) Horizontal plane

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