6 Radius diameter Square

R ⌀ □

Spherical radius SR

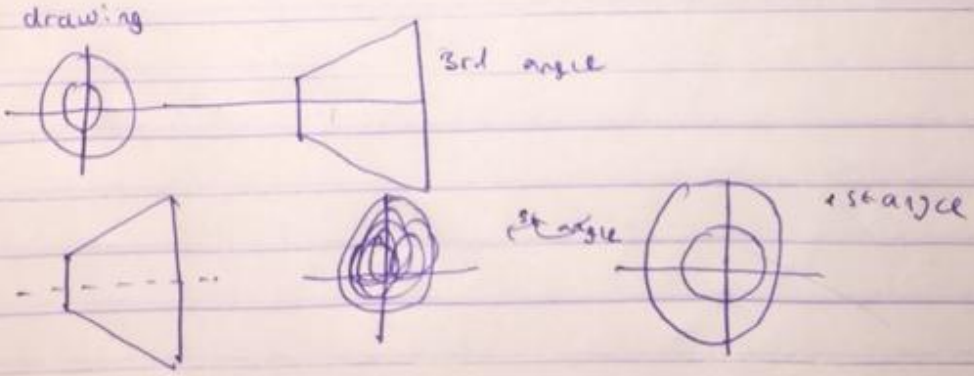
Centre line ℄

Cutting plane line - - — - - —

Long break

7 Orthographic projection is a means or a way of representing three-dimensional objects in two dimensions.

8 1st angle projection: This is a method or way of drawing a 2d drawing of a 3D drawing



Obj C

(1) Reference plane (A)
(2) False (B)
3 directly (C)
4 120° (B)
5 60° (A)
6 Rivet (B)
7 Crowning (C)
(8) 45° (B)
9 Circle (A)
10 an ellipse (A)
11 Cylinder (C)
12 cone (A)
13 Pedestal bearing (D)
14 55° (B)
15 horizontal plane (D)

Umar Shamweel Makun
18/Eng08/024
Biomedical Engineering

① Section view can be defined as a drawing which shows an area of hidden part of an object. Section is represented by hatching lines

② (1) Dimension and projection lines are narrow continous lines. 0.35mm thick and placed outside the drawing outline.
(2) Arrow heads are triangular in shape and must be of uniform shape and size and mostly touches the the dimension lines they're refered to
(3) Arrow heads drawn with freehand are to be filled in while the ones done with computers are not filled in
4 Space must be left between row of dimension
5 Centre lines can't be used as dimension lines rather a clear cross.
6 Dimensions are given in millimeters to the minimum number of significant figures
7 figures dimensions are written at the bottom of the drawing for easy identification.

③ Half section: is the view showing one-half of an object view in section. Diagonal lines are used to indicate the area that has been cut.
Full Section: This is when a cutting plane passes through the object splitting the drawn object into 2 with the interior part revealed.

④ Each line can be terminated in some ways:
- without an arrow head or a dimension line.
- without a dot within the outline of the object
- with an arrow head line on the outline of an object.

⑤ Scale 5:1
This is the drawing the will be 5 or the object will be drawn 5 time as large than the object.
10:10. This can also mean that the object or the drawing will be 10 times smaller than the object