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Matric Number: 17/EW 207/025

Technical Drawing:

1. By using cross hatching

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

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

(iii) Where there are several parallel dimension lines in a group, the dimension figures should be staggered so that they will not interface with each other.

(iv) All dimension extension and leader should be twin sharp dark lines.

3(i) 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 two with the interior of the object revealed.

4.

5(a) Scale 5:1: Each division represents 5mm and the measurement will be ~~scaled~~ scaled.

(b) Scale 1:10: Each division represents 10mm and the measurements will be scaled.

6. a) \emptyset (b) ρ (c) \square (d) SR

e) ————

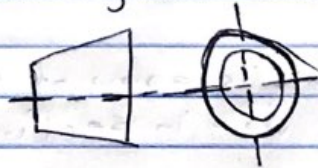
f) 

g) 

7. Orthographic projection: this is the means of representing three dimensional objects in two dimensions.

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

9. First angle projection: For the plan position is below and the symbol of representation is



b) Third angle projection: the plane is placed above on the plane while the front and side are placed below.

Objective:

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