

CSSC FORM TWO AMALI TECHNICAL DRAWING MARKS DISTRIBUTION

1(b) 2 marks.	<u>SECTION A</u> 50 marks.	<u>SECTION B</u> : 50 marks.
(b)		Front view - 10 marks.
(I) 1 mark.		Side view - 10 marks.
(II) 1 mark.		Top view - 10 marks.
(III) 1 mark.		Title block - 5 marks.
(IV) 1 mark.		Lettering & Numbering - 5 marks.
(V) 1 mark.		Neatness & Accuracy - 5 marks.
(VI) 1 mark.		Dimensioning - 5 marks.
2(a) 2 marks.		
(b) 2 marks.		
3(a)		
(I) 2 marks.		
(II) 3 marks.		
(III) 3 marks.		
(b)		
(I) 4 marks.		
(II) 3 marks.		
(c) 4 marks.		
4(a) 1 mark.		
(b) 4 marks.		
(c) 5 marks.		
5(a) 5 marks.		
(b) 4 marks.		

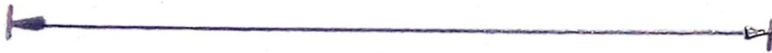
SECTION A.

(a) Technical drawing is a graphical language, applied as a tool of communication necessary to provide information for construction and manufacturing activities.

(b) Hidden detail line.



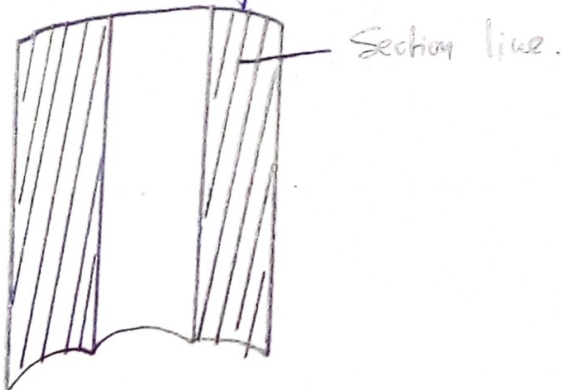
(II) Dimension line.



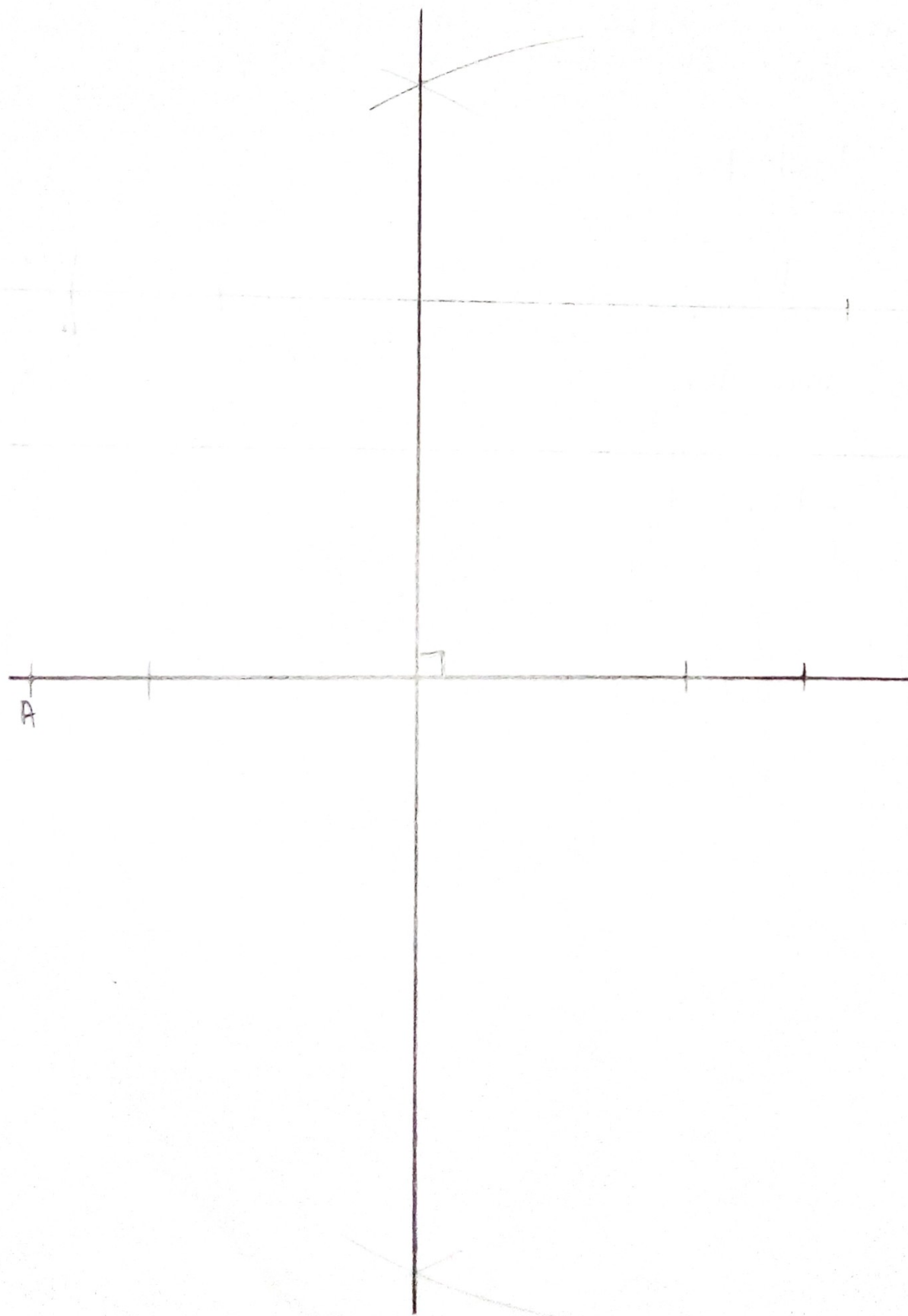
(III) Cutting plane line.



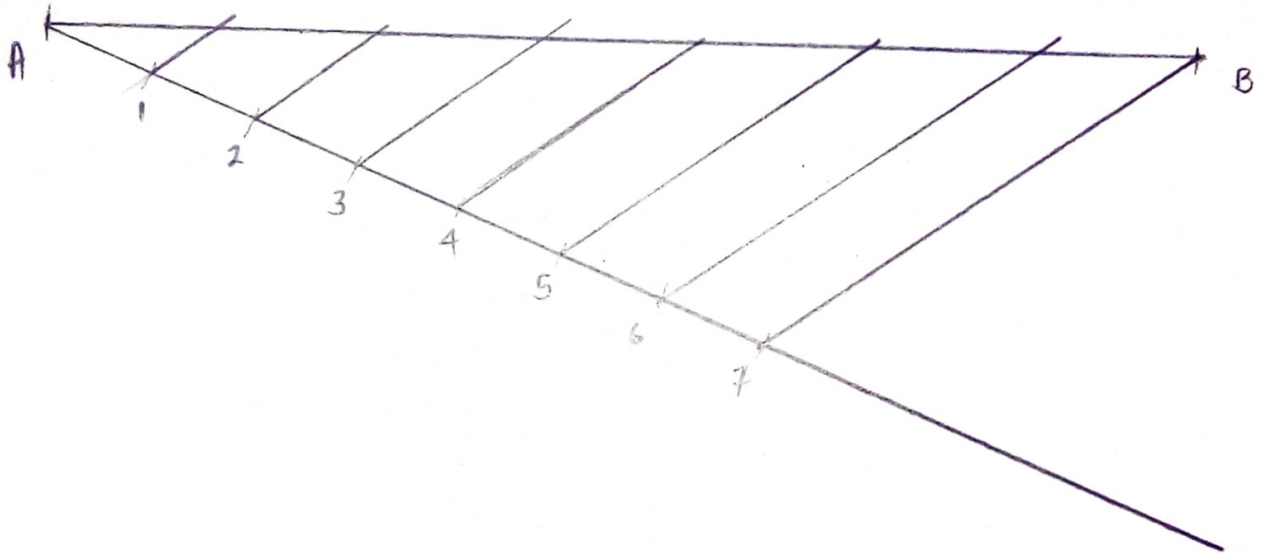
(IV) Section/hatching line.



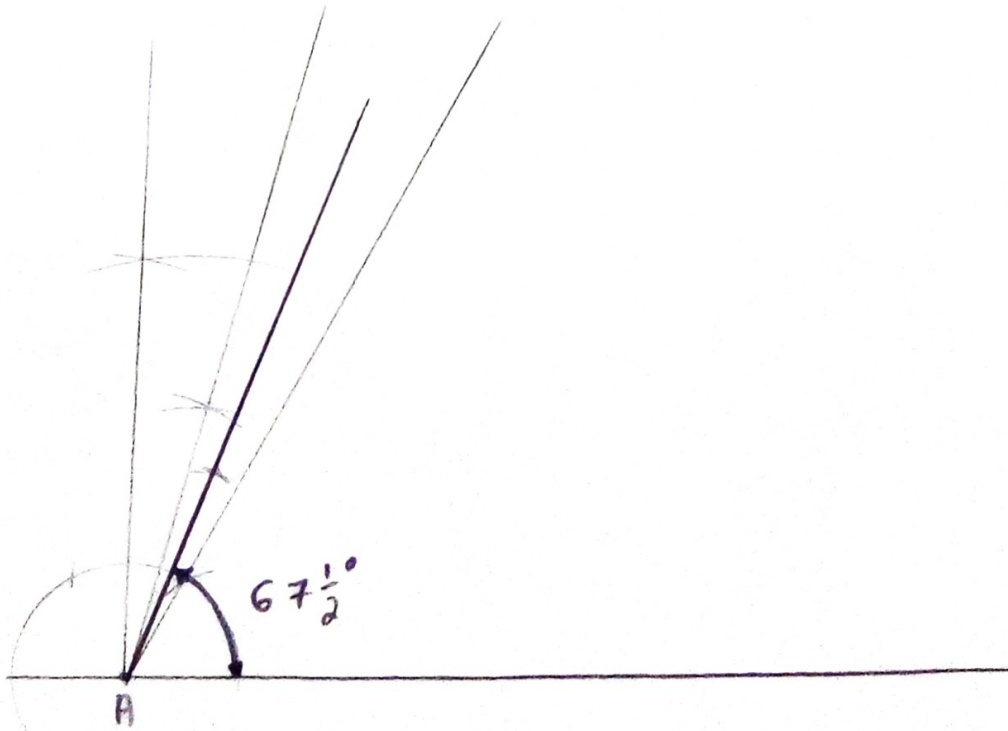
2
(a)



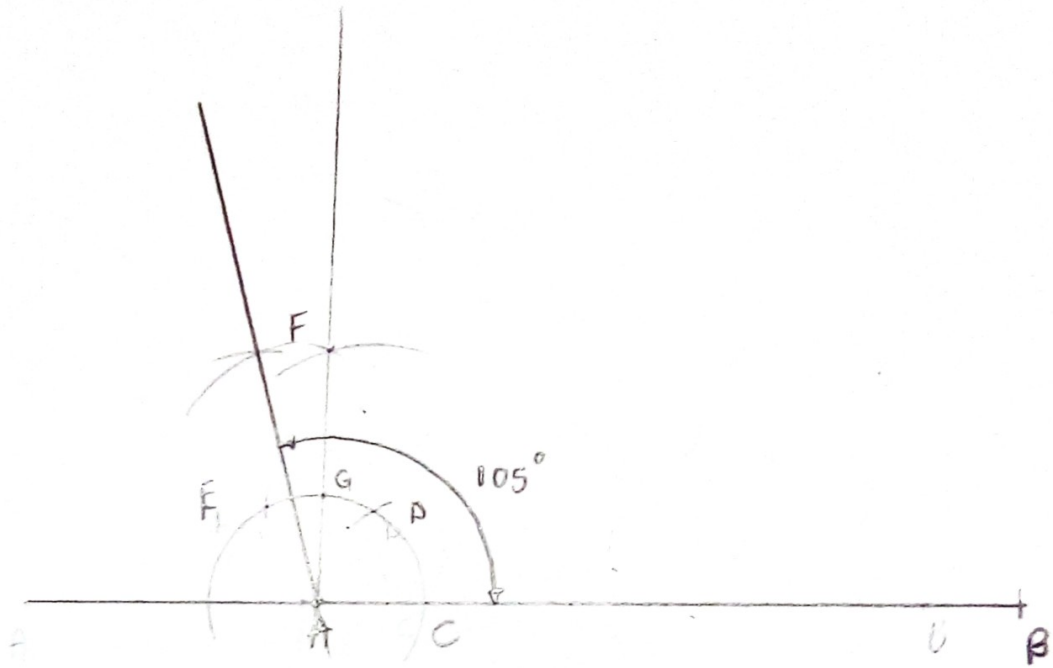
2b)



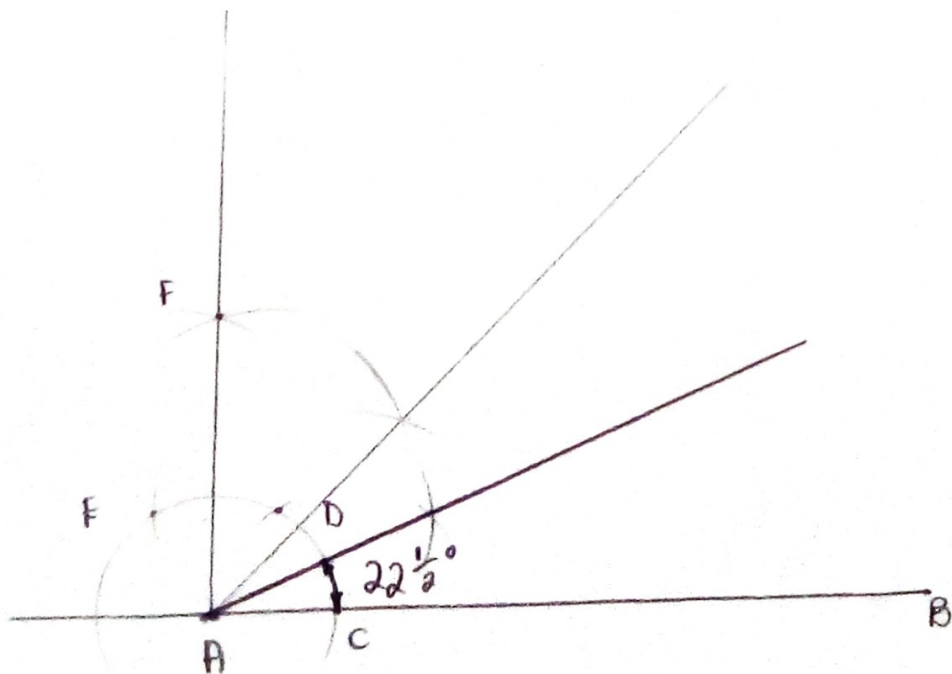
3 a
(1)



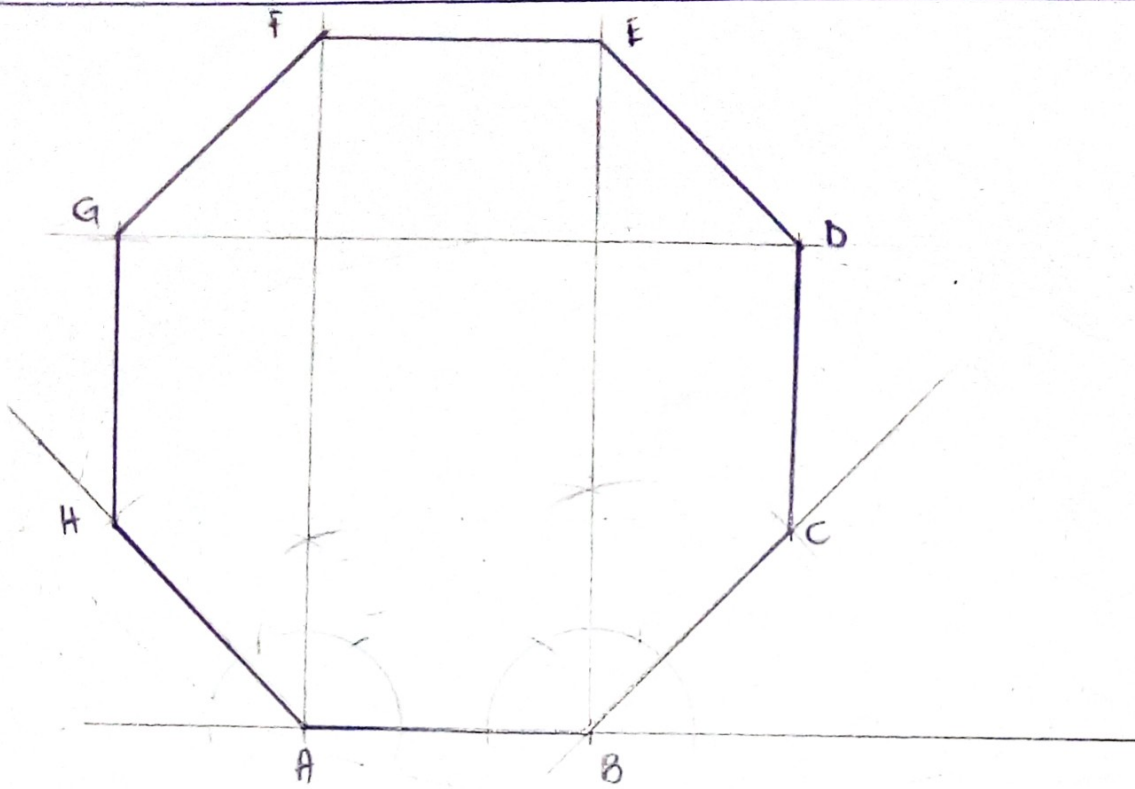
(II)



(III)



A geometric construction of a square. A horizontal line is drawn. A vertical line segment of length 1 unit is drawn from a point on the horizontal line, labeled 'A' below it. A square is constructed with this segment as one side. The top and right sides of the square are drawn. The top side is horizontal and the right side is vertical. The top side is labeled '1' above it, indicating its length. The right side is labeled '1' to its right, indicating its length. The square is shaded with a light gray fill.

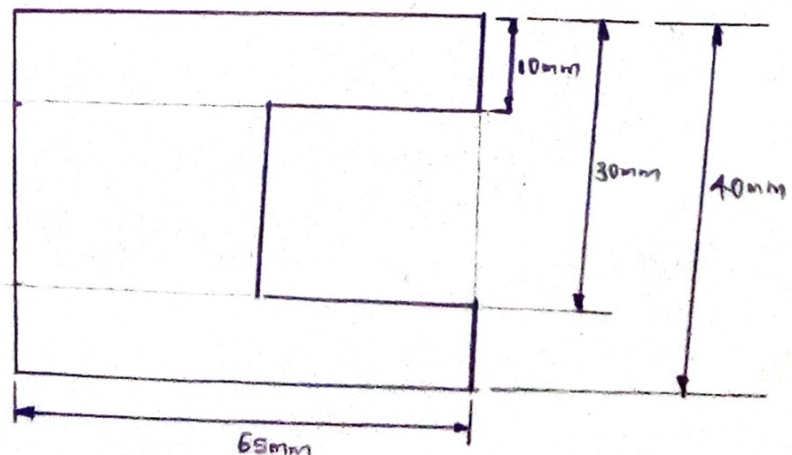


4 (a) Dimensioning is the method by which the designer/draftsman provides the size descriptions on a working drawing of a component.

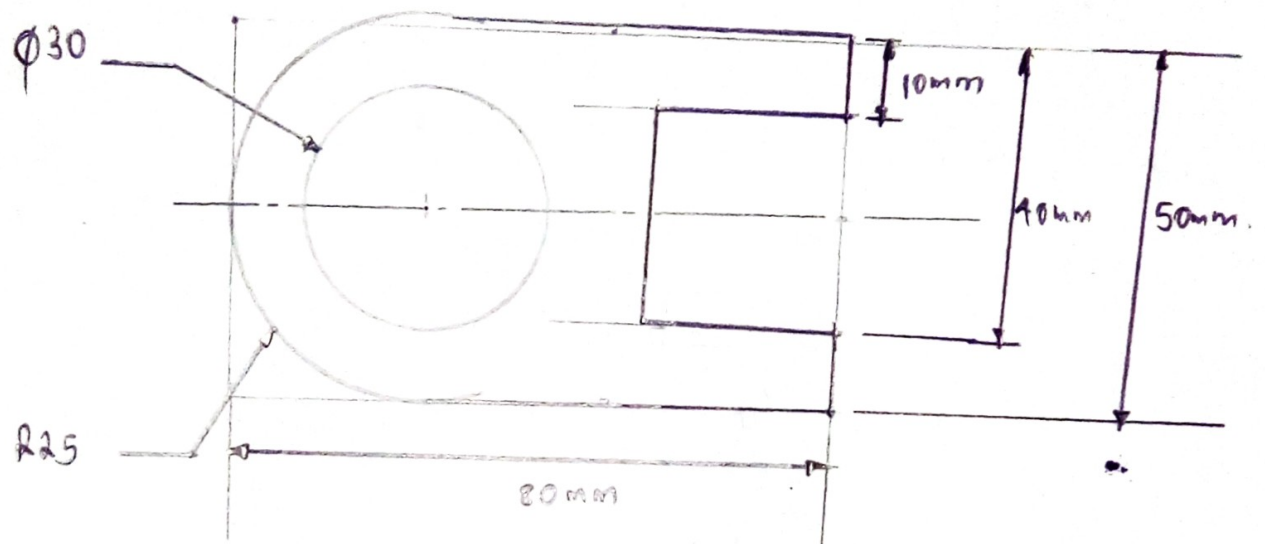
(b) The two types of dimensioning are:

① Overall dimensioning: - Is the type of dimensioning which describes the overall size of the component. The three dimensions that constitute the overall dimensions are:

- Overall length.
- Overall width.
- Overall height.

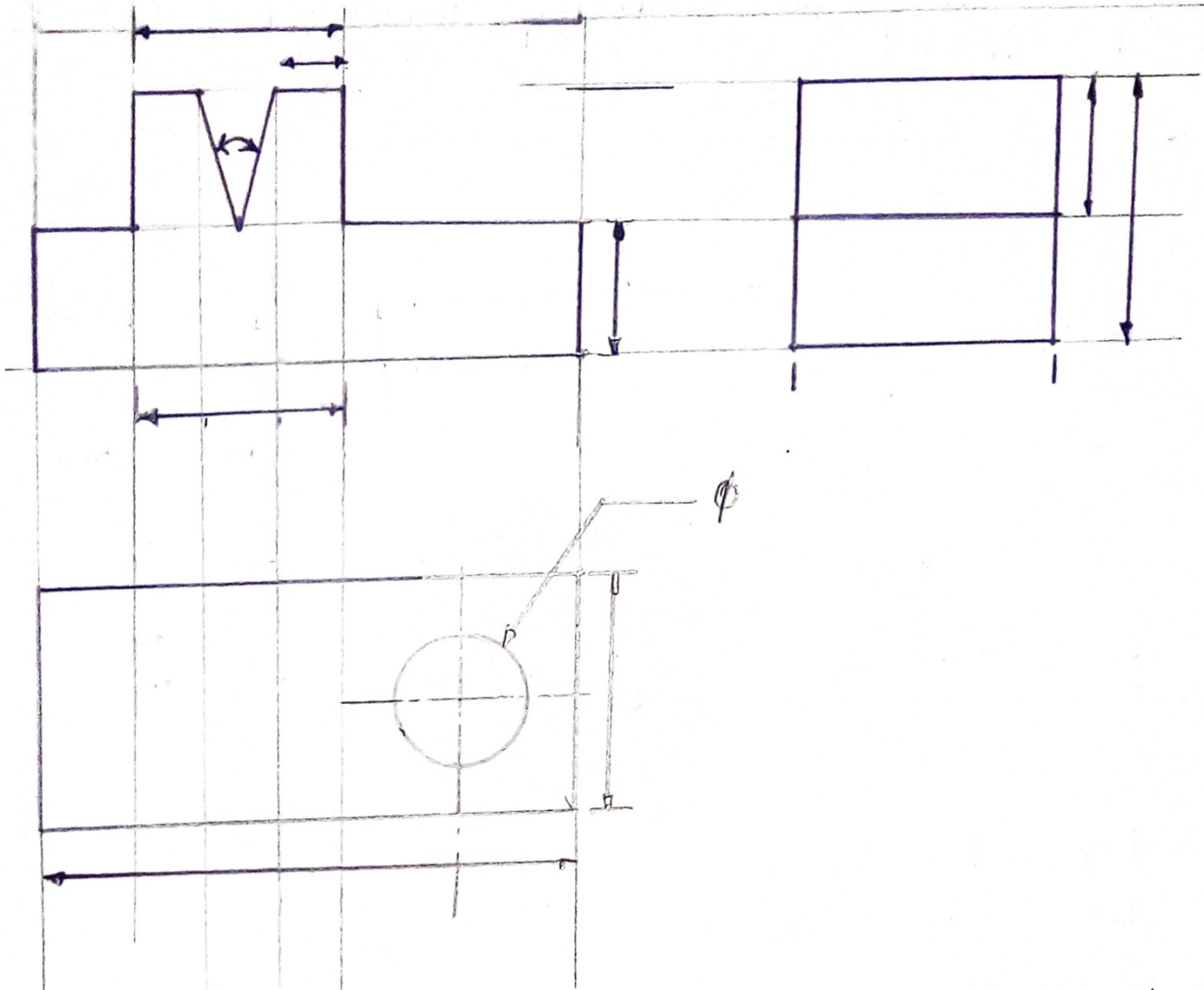


4(b) ② Detailed dimensioning - Is the type of dimensioning which describes the relative positions of features on the component.



- 4(c)
- Extension lines.
 - Dimension lines.
 - Arrow heads.
 - Leaders.
 - Symbols.

5
(a)



- (b)
- The dimensions have been placed near the views that best shows the shape of the feature.
 - The feature has been dimensioned only once.
 - The dimensions have been placed between the views.
 - A datum has been set.

