



3055 BA SANGAM COLLEGE
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School: Ba Sangam College
 Subject: Technical Drawing

Year/Level: 11
 Worksheet 14

Name: _____
 Year: _____

| | |
|--------------------------|---|
| Strand | Geometrical Drawing |
| Sub Strand | First Angle Orthographic |
| Content Learning Outcome | Identify the different views and know how to draw the 3 views correctly |

| First Angle Projection | Third Angle Projection |
|--|---|
| The object is imagined to be in first quadrant. | The object is imagined to be in third quadrant. |
| The object is lies between the observer and plane of projection. | The plane of projection lies between the observer and object. |
| The plane of projection is assumed to be non transparent. | The plane of projection is assumed to be transparent. |
| When view are drawn in their relative position Top view comes below Front view, Right side view drawn to the left side of elevation. | When view are drawn in their relative position Top view comes above Front view, Right side view drawn to the right side of elevation. |
| SYMBOL | SYMBOL |
| | |
| | |

Activity (10 marks)

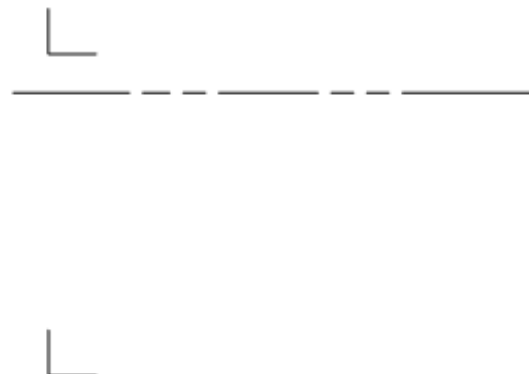
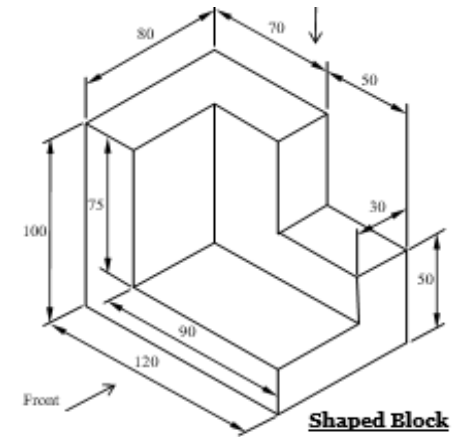
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QUESTION 4 ORTHOGRAPHIC PROJECTION (10 marks)

Given: A simple **Shaped Block** drawn in isometric, the 45° line, reference line and starting corners.

Required: By taking measurements directly from the isometric drawing, answer the following questions:

- (i) Label all the visible faces of the **Shaped Block** on the isometric drawing with **letters**. **(2 marks)**
- (ii) Draw the Plan and Elevation of the **Shaped Block** in 1st Angle Orthographic Projection to a scale of 1 : 2. **(7 marks)**
- (iii) Label the **elevation** correctly on one of the orthographic views drawn. **(1 mark)**



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|--------------|-----|
| MCQ01 | |
| 1 | Geo |
| 2 | Geo |
| 3 | Geo |
| MCQ02 | |
| 4 | Geo |
| 5 | Geo |
| 6 | Geo |
| 7 | Geo |
| 8 | Geo |
| MCQ03 | |
| 9 | Geo |
| 10 | Geo |