



3055 BA SANGAM COLLEGE

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LESSON NOTES

Year/Level: 10

Week 7

Name: _____

Year: _____

School: Ba Sangam College

Subject: Basic Technology

Strand	Geometrical drawing
Sub Strand	Orthographic Projection
Content Learning Outcome	Identify the different views. Draw the three views correctly. Label the diagrams

First Angle Projection

▪ The shadows of the object are cast onto the plane behind the object

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IMPORTANT POINTS TO NOTE:

- ALWAYS START DRAWING FROM MAIN ELEVATION
- MAIN ELEVATION IS ALSO KNOWN AS FRONT ELEVATION
- MAIN ELEVATION WILL BE ON TOP OF THE REFERENCE LINE
- PLAN WILL BE BELOW THE REFERENCE LINE
- FOR RIGHT END ELEVATION – LOOK FROM THE RIGHT SIDE AND DRAW ON THE LEFT SIDE OF MAIN ELEVATION
- FOR LEFT END ELEVATION – LOOK FROM THE LEFT SIDE AND DRAW ON THE RIGHT SIDE OF MAIN ELEVATION

EXERCISE 1

SECTION B

(continued)

QUESTION 2

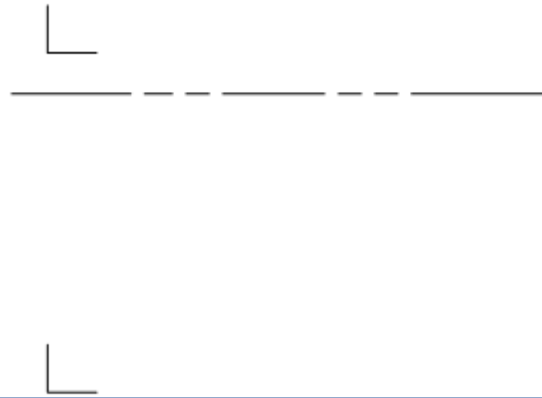
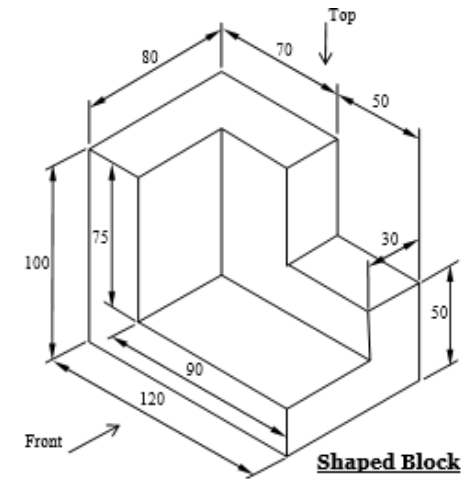
ORTHOGRAPHIC PROJECTION

(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)



EQ4(b)			
1	Guidelines shown	¼	
2	Correct printing	1	
3	Correct line work	¼	
EQ4(c)			
4	Correct starting points used	½	
5	Correct line work	1	
6	Accuracy (L, W & H)	3	
7	Correct shape	2	
8	Neatness	½	
EQ4(d)			
9	Correct view labeled	½	
10	Correct printing	½	