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QUESTION 2: INTERPENETRATION AND DEVELOPMENT

Given:

- The incomplete front view and the top view of a regular triangular pipe which has been shaped to fit in a right regular hexagonal pipe
- The axis of both pipes lie in a common vertical plane.
- The auxiliary view of the triangular pipe.
- The position of point O on the drawing sheet.

Instructions:

Draw to scale 1 : 1, the following views of the two prisms:

2.1 The given top view

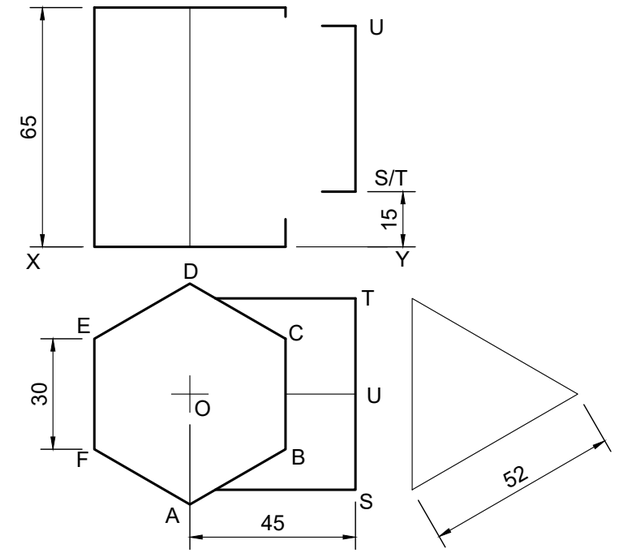
2.2 The complete front view, clearly showing the curve of interpenetration

2.3 The right view

2.4 Develop the surface of the hexagonal pipe. Use point A to B as the start position.

2.5 Develop the surface of the triangular pipe. Use point S to T as the start position.

Show all construction lines and fold lines. **[40]**



ASSESSMENT CRITERIA				
1	TOP VIEW	5.5		
2	FRONT VIEW	6		
3	RIGHT VIEW	7		
4	DEVELOPMENT OF HEXAGON	10.5		
5	DEVELOPMENT OF TRIANGLE	11		
PENALIZING (-1)				
	TOTAL	**40**		

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INTERPENETRATION & DEVELOPMENTS	ESTIMATED TIME FOR COMPLETION	30 MIN	GRADE 11	NAME & SURNAME		TASK 8.3	PAGE 33
	YOUR TIME OF COMPLETION	MIN					