

SA-STUDENT

To pass high school please visit us at:
<https://sa-student.com/>

aahh... EGD Don't You Just Love It ;)





QUESTION 2: SOLID GEOMETRY

Given:

- The front view and top view of a right square pyramid that rests against a right regular pentagonal prism
- An auxiliary view of the right square pyramid
- Cutting plane R-R

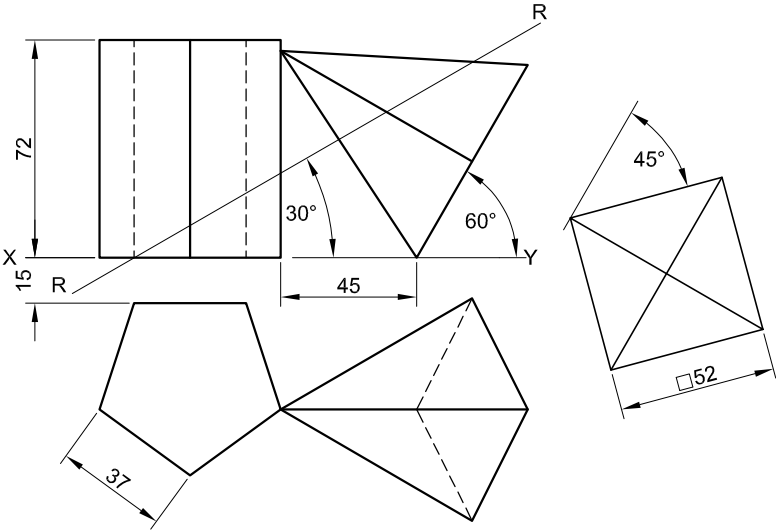
Instructions:

Draw, to scale 1 : 1, the following views of both solids:

- 2.1 The given front view
- 2.2 A sectional top view with the parts above cutting plane R-R removed
- 2.3 A sectional right view with the parts below cutting plane R-R removed
- 2.4 The true shape of the cut surfaces of BOTH solids

- Planning is essential.
- Show ALL hidden detail.
- Show ALL construction.

[37]



ASSESSMENT CRITERIA					
1	FRONT VIEW	7			
2	SECTIONAL TOP VIEW	12 ¹ / ₂			
3	SECTIONAL RIGHT VIEW	10			
4	TRUE SHAPE	6 ¹ / ₂			
5	CORRECT HATCHING	1			
PENALTIES (-)					
TOTAL		37			
EXAMINATION NUMBER					
EXAMINATION NUMBER					3

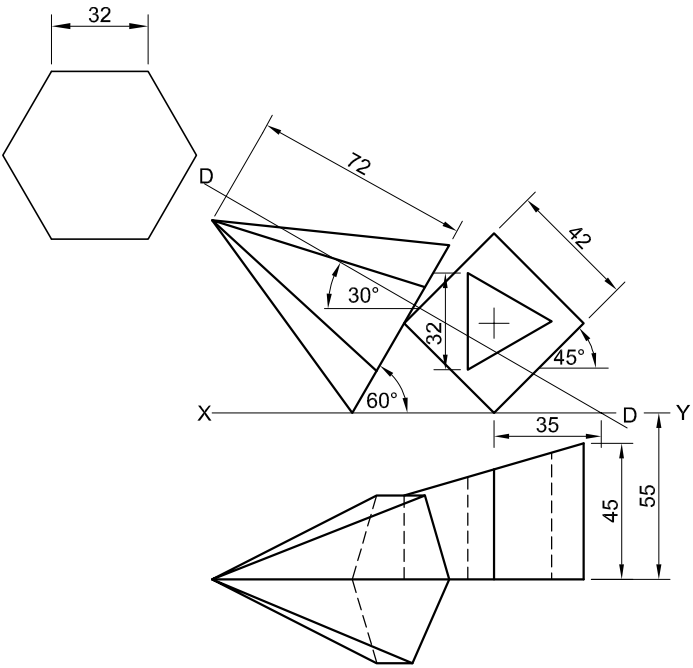


QUESTION 2: SOLID GEOMETRY

- Given:**
- The front view and the top view of a right regular hexagonal pyramid resting with its base on an edge of a truncated right square prism. The prism is centrally pierced by a right equilateral triangular prismatic hole.
 - An auxiliary view of the base of the hexagonal pyramid
 - Both solids are cut by cutting plane D-D

- Instructions:**
Draw, to scale 1 : 1, the following views of both solids:
- 2.1 The given front view
 - 2.2 A sectional top view on cutting plane D-D
 - 2.3 The left view
 - 2.4 The true shape of the cut surface of the truncated prism

- Planning is essential.
 - Show ALL hidden detail.
 - Show ALL construction.
- [40]



ASSESSMENT CRITERIA					
1	FRONT VIEW	7 ½			
2	SECTIONAL TOP VIEW	14			
3	LEFT VIEW	12 ½			
4	TRUE SHAPE	6			
PENALTIES (-)					
TOTAL		40			
EXAMINATION NUMBER					
EXAMINATION NUMBER					3

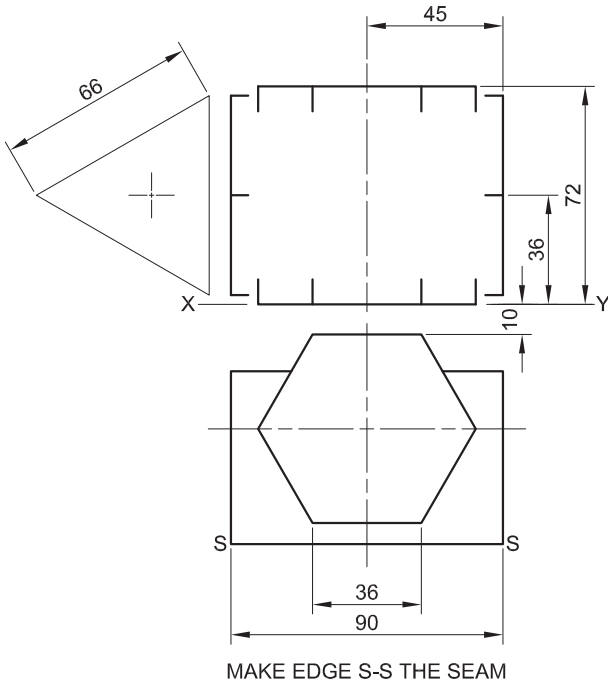


QUESTION 2: INTERPENETRATION AND DEVELOPMENT

- Given:**
- The top view and incomplete front view of a connecting piece for a ventilation system. The connecting piece consist of a right equilateral triangular tube and a right regular hexagonal tube. The axes of both tubes lie in a common vertical plane.
 - An auxiliary view of the triangular tube.

- Instructions:**
- Draw, to scale 1 : 1, the following views of the two tubes:
- 2.1 The given top view
 - 2.2 The right view
 - 2.3 The complete front view, clearly showing the curve of interpenetration
 - 2.4 The development of the triangular tube. Make edge 'S-S' the seam.

- Planning is essential.
- Show ALL hidden detail and folding lines.
- Show ALL construction. **[38]**



ASSESSMENT CRITERIA				
1	TOP VIEW	6		
2	RIGHT VIEW	5		
3	FRONT VIEW	16 ¹ / ₂		
4	DEVELOPMENT	10 ¹ / ₂		
PENALTIES (-)				
TOTAL		38		
EXAMINATION NUMBER				
EXAMINATION NUMBER				3





QUESTION 2: SOLID GEOMETRY

Given:

- The front view of a right regular hexagonal prism with a right conical hole
- An auxiliary view
- Horizontal cutting plane C-C

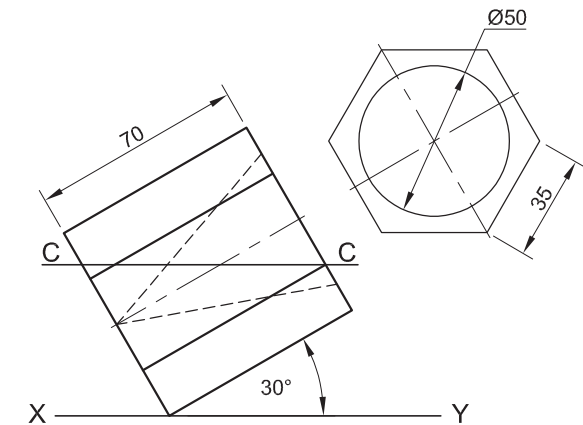
Instructions:

Draw, to scale 1 : 1, the following views of the solid:

- 2.1 The given front view
- 2.2 A sectional top view
- 2.3 The right view

- Planning is essential.
- Show ALL hidden detail.
- Show ALL construction.

[36]



ASSESSMENT CRITERIA					
1	AUXILIARY VIEW	2			
2	FRONT VIEW	5			
3	SECTIONAL TOP VIEW	16			
4	RIGHT VIEW	13			
PENALTIES (-)					
TOTAL		36			
EXAMINATION NUMBER					
EXAMINATION NUMBER					3





QUESTION 2: SOLID GEOMETRY

Given:

- The front view and the top view of a right regular hexagonal pyramid and a right square pyramid
- Cutting plane S-S

Specifications:

- The two solids do not touch
- Both solids are cut by cutting plane S-S

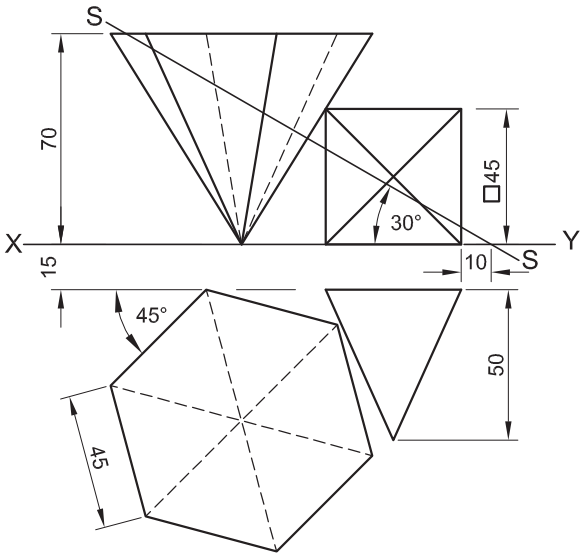
Instructions:

Draw, to scale 1 : 1, the following views of the TWO solids:

- 2.1 The given front view
- 2.2 A sectional top view
- 2.3 A sectional right view
- 2.4 The true shape of the cut surface of the hexagonal pyramid

- Planning is essential.
- Show ALL construction.
- Show ALL hidden detail.

[38]



ASSESSMENT CRITERIA					
1	FRONT VIEW	7½			
2	SECTIONAL TOP VIEW + CONSTRUCTION	13½			
3	SECTIONAL RIGHT VIEW	11½			
4	TRUE SHAPE	5½			
PENALTIES (-)					
TOTAL		38			
EXAMINATION NUMBER					
EXAMINATION NUMBER					3





QUESTION 2: INTERPENETRATION AND DEVELOPMENT

Given:

- The incomplete front view and the top view of a hollow right square prism with a right cylindrical branch pipe. The axes of both pipes lie in a common vertical plane.
- An auxiliary view of the branch pipe

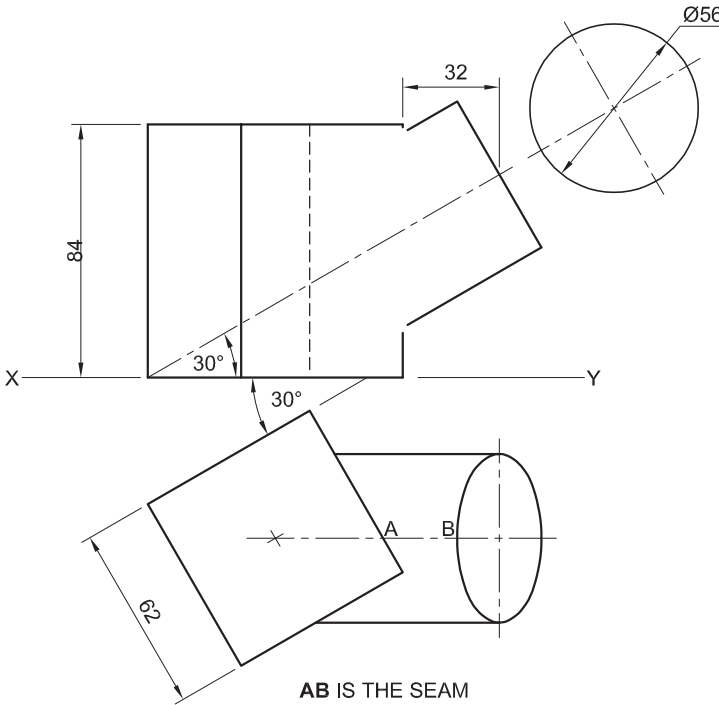
Instructions:

Draw, to scale 1 : 1, the following views of the TWO pipes:

- 2.1 The given top view
- 2.2 The complete front view, clearly showing the curve of interpenetration
- 2.3 The development of the cylindrical branch pipe. Make **AB** the seam.

- Planning is essential.
- Show ALL hidden detail.
- Show ALL construction.

[37]



ASSESSMENT CRITERIA					
1	TOP VIEW	10 ¹ / ₂			
2	FRONT VIEW + CIRCLE DIVISION	6 ¹ / ₂			
3	CURVE OF INTERPENETRATION	9			
4	DEVELOPMENT	11			
PENALTIES (-)					
TOTAL		37			
EXAMINATION NUMBER					
EXAMINATION NUMBER					3





QUESTION 2: SOLID GEOMETRY

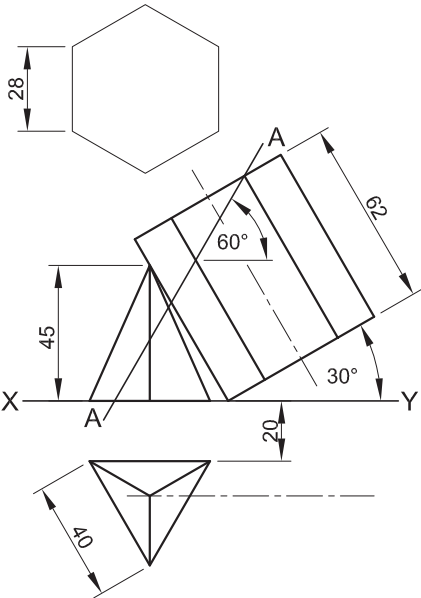
- Given:**
- The front view of a right equilateral triangular pyramid and a right regular hexagonal prism
 - The top view of the pyramid and the axis of the prism
 - An auxiliary view of the prism
 - Cutting plane A-A

- Specifications:**
- The prism leans against the pyramid.
 - Both solids are cut by cutting plane A-A.

- Instructions:**
Draw, to scale 1 : 1, the following views of the TWO solids:
- 2.1 The given front view
 - 2.2 A sectional top view
 - 2.3 A sectional left view
 - 2.4 The true shape of the cut surfaces

- Planning is essential.
- Show ALL construction.
- Show ALL hidden detail.

[40]



ASSESSMENT CRITERIA					
1	CONSTRUCTION	1			
2	FRONT VIEW	5 ¹ / ₂			
3	SECTIONAL TOP VIEW	14 ¹ / ₂			
4	SECTIONAL LEFT VIEW	12 ¹ / ₂			
5	TRUE SHAPE	6 ¹ / ₂			
PENALTIES (-)					
TOTAL		40			
EXAMINATION NUMBER					
EXAMINATION NUMBER					3





QUESTION 2: SOLID GEOMETRY

Given:

- The incomplete front view and the top view of a hollow open-ended right square prism that has been shaped to fit around a hollow open-ended right regular hexagonal prism. The axes of both hollow prisms lie in a common vertical plane.
- An auxiliary view of the square prism

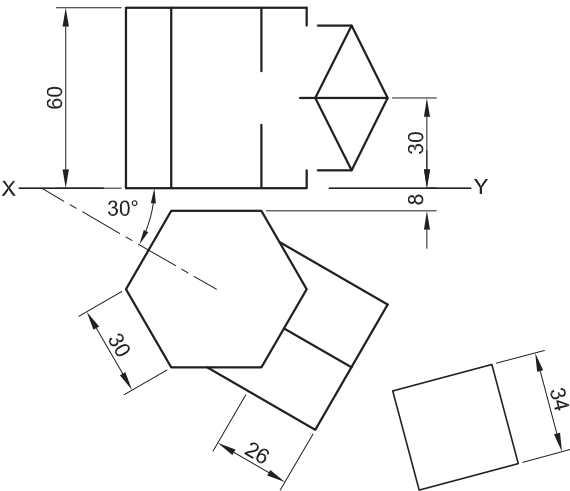
Instructions:

Draw, to scale 1 : 1, the following:

- 2.1 The given top view
- 2.2 The complete front view, clearly showing the curve of interpenetration
- 2.3 The complete right view, clearly showing the curve of interpenetration

- Planning is essential.
- Show ALL hidden detail.
- Show ALL construction.

[37]



ASSESSMENT CRITERIA					
1	TOP VIEW	7			
2	FRONT VIEW	14 ¹ / ₂			
3	RIGHT VIEW	15 ¹ / ₂			
PENALTIES (-)					
TOTAL		37			
EXAMINATION NUMBER					
EXAMINATION NUMBER					3





QUESTION 2: SOLID GEOMETRY

Given:

- The front view and the top view of a right regular hexagonal prism with a right regular hexagonal pyramidal hole
- Cutting plane A-A

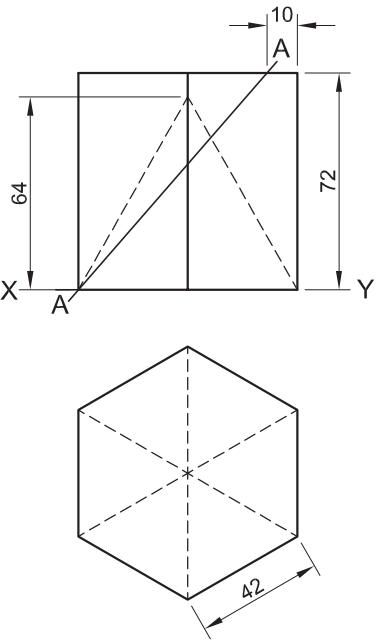
Instructions:

Draw, to scale 1 : 1, the following views of the solid:

- 2.1 The given front view
- 2.2 A sectional top view
- 2.3 A sectional left view
- 2.4 The true shape of the cut surface

- Show ALL hidden detail.
- Show ALL construction.

[35]



ASSESSMENT CRITERIA					
1	FRONT VIEW	4			
2	SECTIONAL TOP VIEW	9½			
3	SECTIONAL LEFT VIEW	10½			
4	TRUE SHAPE	6			
5	HATCHING	5			
PENALTIES (-)					
TOTAL		35			
EXAMINATION NUMBER					
EXAMINATION NUMBER					3





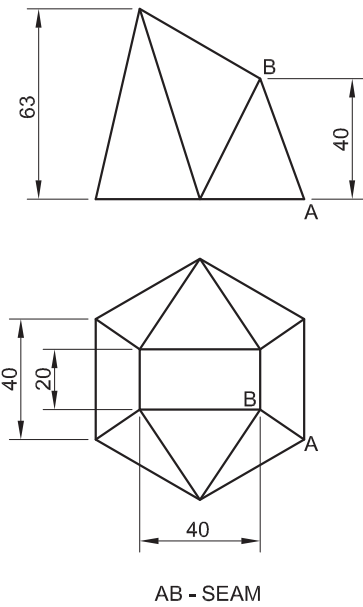
QUESTION 2: TRANSITION PIECE

Given:
The front view and top view of a regular hexagonal to rectangular transition piece

Instructions:
Draw, to scale 1 : 1, the following views of the transition piece:
2.1 The given top view
2.2 The given front view
2.3 The development

NOTE:
• Make AB the seam.
• Show ALL construction.

[38]



ASSESSMENT CRITERIA				
1	TOP VIEW	8		
2	FRONT VIEW	3		
3	TRUE LENGTH	8		
4	DEVELOPMENT	19		
PENALTIES (-)				
TOTAL		38		
EXAMINATION NUMBER				
EXAMINATION NUMBER				3

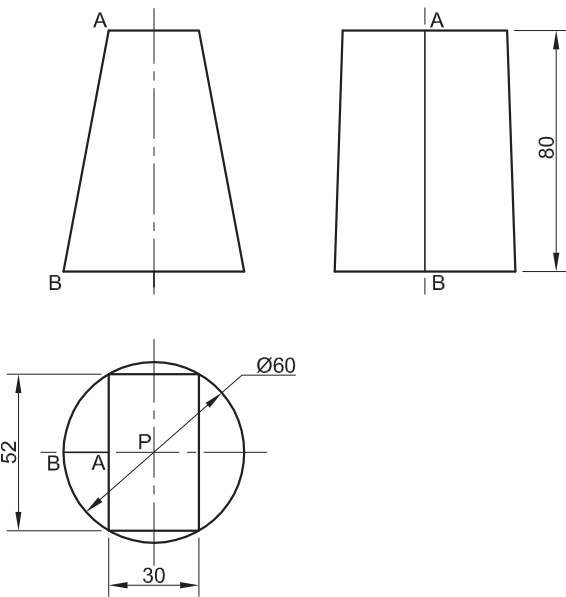


QUESTION 2: DEVELOPMENT

- Given:**
- The front view, top view and left view of a rectangular to round transition piece with seam AB
 - The position of point P on the drawing sheet

- Instructions:**
- Draw, to scale 1 : 1, the following views of the transition piece:
- 2.1 The given front view and top view
- 2.2 The development of the transition piece

- Make AB the seam.
- Show ALL construction. **[36]**



P

ASSESSMENT CRITERIA					
1	TOP VIEW	4 ¹ / ₂			
2	FRONT VIEW	2 ¹ / ₂			
3	TL CONSTRUCTION	6			
4	DEVELOPMENT	23			
PENALTIES (-)					
TOTAL		36			
EXAMINATION NUMBER					
EXAMINATION NUMBER					3





QUESTION 2: SOLID GEOMETRY

Given:

- The front view and the top view of a right regular hexagonal pyramid and a right equilateral triangular prism. The axes of both solids lie in a common vertical plane.
- An auxiliary view of the triangular prism

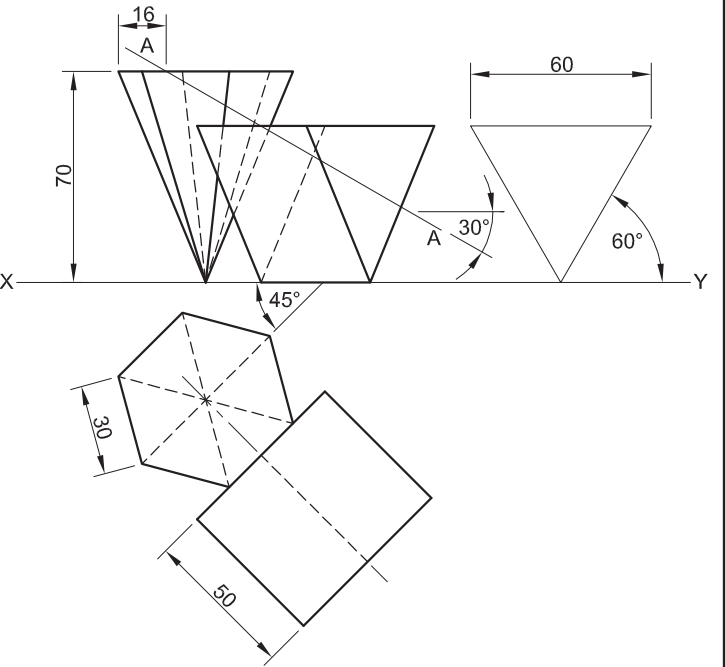
Specifications:

- The two solids do not touch.
- Both solids are cut by cutting plane AA.

Instructions:

- Draw, to scale 1 : 1, the following views of the TWO solids:
- 2.1 The given front view
 - 2.2 The sectional top view
 - 2.3 The sectional right view

- Planning is essential.
 - Show ALL necessary construction.
 - Show ALL hidden detail on all three views.
- [37]



ASSESSMENT CRITERIA					
1	CONSTRUCTION	3			
2	FRONT VIEW	9			
3	SECTIONAL TOP VIEW	11			
4	SECTIONAL RIGHT VIEW	14			
PENALTIES (-)					
TOTAL		37			
EXAMINATION NUMBER					
EXAMINATION NUMBER					3



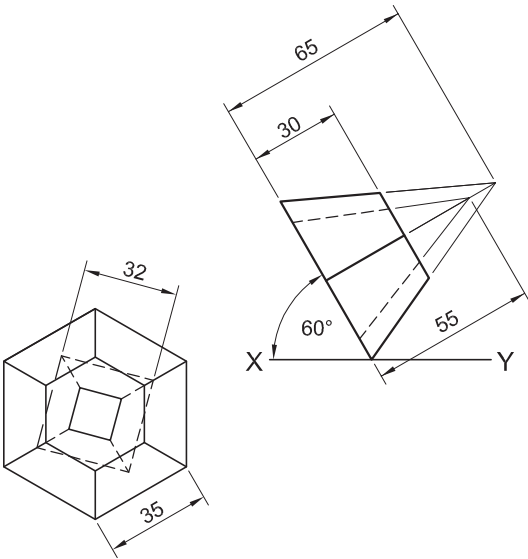


QUESTION 2: SOLID GEOMETRY

Given:
The front view and an auxiliary view of a truncated right regular hexagonal pyramid with a centrally placed right square pyramidal hole.

Instructions:
Draw, to scale 1 : 1, the following views of the solid:
2.1 The given front view
2.2 The top view
2.3 The left view

- Show ALL hidden detail.
- Show ALL necessary construction. **[40]**



ASSESSMENT CRITERIA					
1	FRONT AND AUX. VIEW	7½			
2	TOP VIEW	15			
3	LEFT VIEW	17½			
PENALTIES (-)					
TOTAL		40			
EXAMINATION NUMBER					
EXAMINATION NUMBER					3





QUESTION 2: INTERPENETRATION AND DEVELOPMENT

Given:

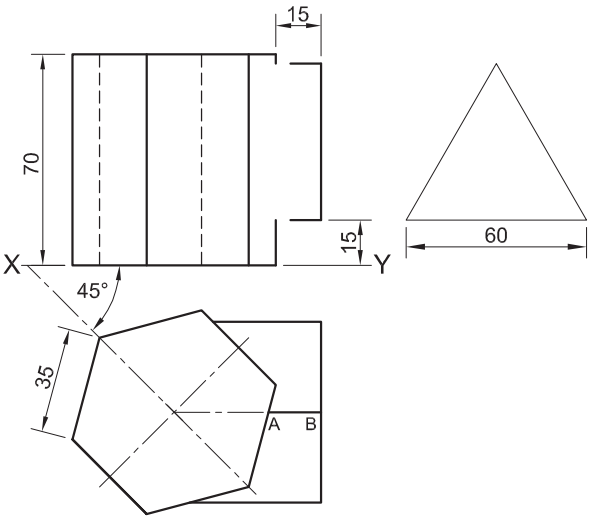
- The incomplete front view and top view of an equilateral triangular prism that has been shaped to fit around a right regular hexagonal prism. The axes of both prisms lie in a common vertical plane.
- An auxiliary view of the triangular prism.

Instructions:

Draw, to scale 1 : 1, the following:

- 2.1 The given top view
 - 2.2 The complete front view clearly showing the curve of interpenetration
 - 2.3 The complete right view
 - 2.4 The development of the surface of the triangular prism
- Make **AB** the seam.

- Show ALL hidden detail.
- Show ALL necessary construction. [35]



AB IS THE SEAM.

ASSESSMENT CRITERIA					
1	TOP VIEW	6			
2	FRONT VIEW	11			
3	RIGHT VIEW	7			
4	DEVELOPMENT	11			
PENALTIES (-)					
TOTAL		35			
EXAMINATION NUMBER					
EXAMINATION NUMBER					3



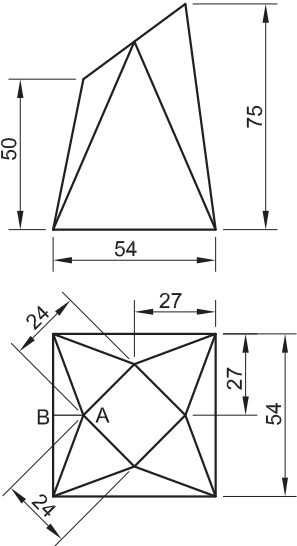


QUESTION 2: TRANSITION PIECE

Given:
The front view and the top view of a square-to-irregular four-sided transition piece.

- Instructions:**
Draw, to scale 1 : 1, the following views of the transition piece:
- 2.1 The given top view
 - 2.2 The given front view
 - 2.3 The development of the transition piece

NOTE:
AB is the seam. [36]



ASSESSMENT CRITERIA					
1	FRONT AND TOP VIEW	11			
2	TL CONSTRUCTION	8			
3	DEVELOPMENT	17			
PENALTIES (-)					
TOTAL		36			
EXAMINATION NUMBER					
EXAMINATION NUMBER					3



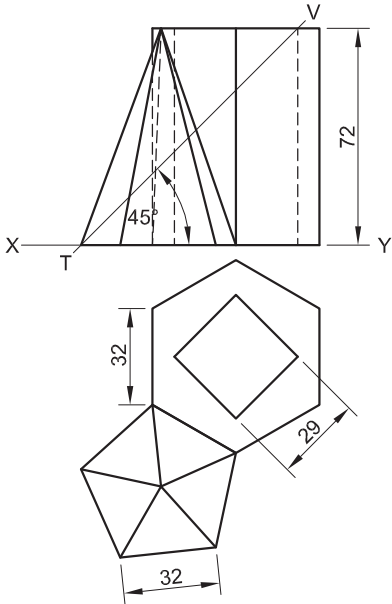
QUESTION 2: SOLID GEOMETRY

Given:
The front view and the top view of a right regular hexagonal prism with a right square hole and a right regular pentagonal pyramid

- Specifications:**
- One base edge of the hexagonal prism is in contact with one base edge of the pentagonal pyramid.
 - Both solids are cut by a cutting plane VT.

Instructions:
Draw, to scale 1 : 1, the following views of the TWO solids:
2.1 The given front view
2.2 The sectional top view
2.3 The sectional left view. Show ALL hidden detail.

Show ALL necessary construction. **[38]**



ASSESSMENT CRITERIA					
1	CONST. + FRONT VIEW	7			
2	SECTIONAL TOP VIEW	12½			
3	SECTIONAL LEFT VIEW	15			
4	HATCHING	3½			
PENALTIES (-)					
TOTAL		38			
EXAMINATION NUMBER					
EXAMINATION NUMBER					3





QUESTION 2: SOLID GEOMETRY

Given:

- The front view and the top view of a right equilateral triangular prism and a right regular octagonal pyramid
- The auxiliary view of the triangular prism
- The position of base edge 'A-B' on the answer sheet

Specifications:

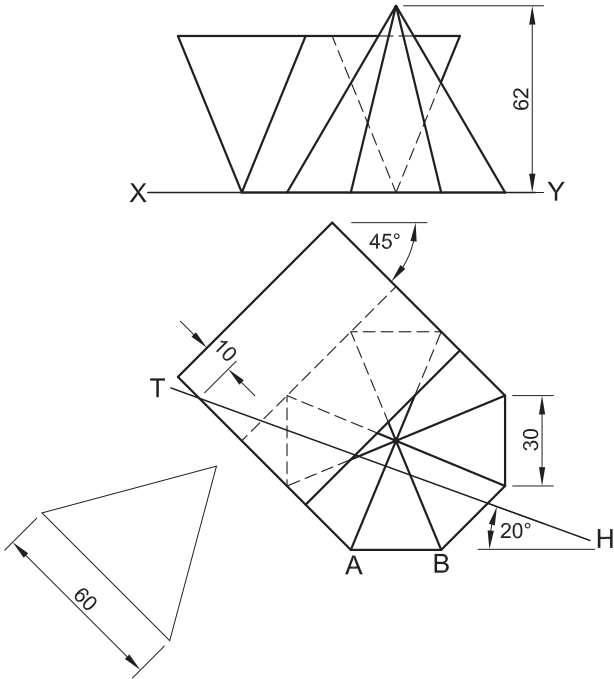
One face of the triangular prism is in contact with one face of the octagonal pyramid. Both solids are cut by a cutting plane HT.

Instructions:

Draw, to scale 1 : 1, the following views of the TWO solids:

- 2.1 The given top view
- 2.2 A sectional front view on cutting place HT
- 2.3 The true shape of the cut surfaces

- Show ALL necessary construction and projection.
- Show ALL hidden detail. [38]



A B

ASSESSMENT CRITERIA					
1	GIVEN TOP VIEW	7			
2	FRONT VIEW	21			
3	TRUE SHAPE	10			
TOTAL		38			
EXAMINATION NUMBER					
EXAMINATION NUMBER					3

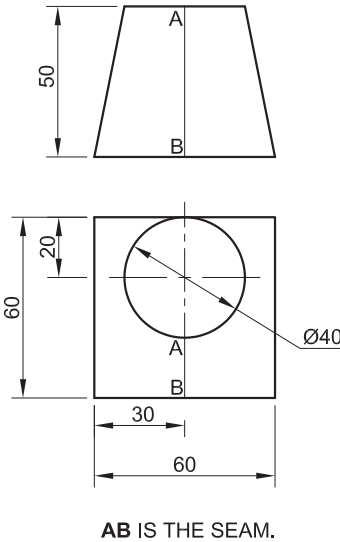


QUESTION 2: TRANSITION PIECE

Given:
The front view and top view of a square-to-round transition piece.

Instructions:
Draw, to scale 1 : 1, the following:
2.1 The given front view and top view
2.2 The development of the surface of the transition piece. Make **AB** the seam.

Show ALL necessary construction. **[35]**



ASSESSMENT CRITERIA					
1	GIVEN	5			
2	CONSTRUCTION	4			
3	TRUE LENGTHS	8			
4	DEVELOPMENT	18			
TOTAL		35			
EXAMINATION NUMBER					
EXAMINATION NUMBER					3





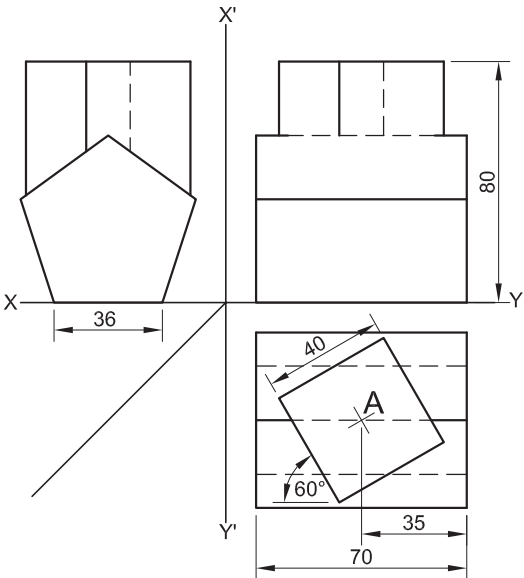


QUESTION 2: INTERPENETRATION AND DEVELOPMENT

- Given:**
- The incomplete front view, right view and top view of a regular square prism that has been shaped to fit around a right regular pentagonal prism. The axes of both prisms lie in a common vertical plane.
 - The position of point A.

- Instructions:**
- Draw, to scale 1 : 1, the following views of the TWO prisms:
- 2.1 The given top view
 - 2.2 The given right view
 - 2.3 The complete front view, clearly showing the curve of interpenetration
 - 2.4 Develop the surface of the square prism.

Show ALL hidden detail and fold lines. [37]



A

ASSESSMENT CRITERIA				
1	TOP VIEW	7		
2	RIGHT VIEW	8		
3	FRONT VIEW	13		
4	DEVELOPMENT	9		
TOTAL		37		
EXAMINATION NUMBER				
EXAMINATION NUMBER				3



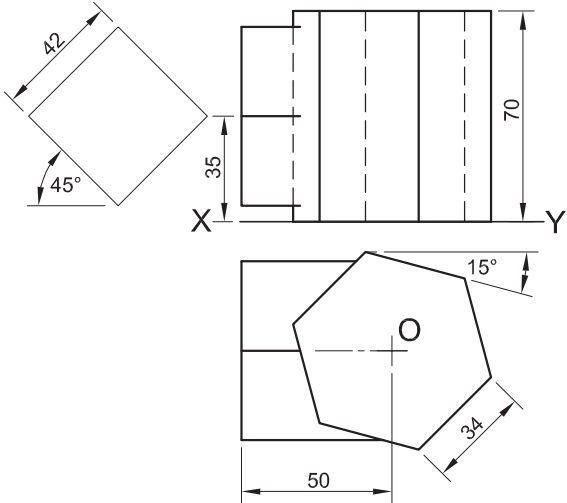


QUESTION 2: INTERPENETRATION AND DEVELOPMENT

- Given:**
- The incomplete front view and the top view of a regular square prism that has been shaped to fit around a right regular hexagonal prism. The axes of both prisms lie in a common vertical plane.
 - The auxiliary view of the square prism
 - 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 left view
 - 2.3 The complete front view, clearly showing the curve of interpenetration
 - 2.4 Develop the surfaces of the square prism.

Show ALL hidden detail and fold lines. [35]



O

ASSESSMENT CRITERIA					
1	TOP VIEW	6			
2	LEFT VIEW	5			
3	FRONT VIEW	14			
4	DEVELOPMENT	10			
TOTAL		35			
EXAMINATION NUMBER					
EXAMINATION NUMBER					3



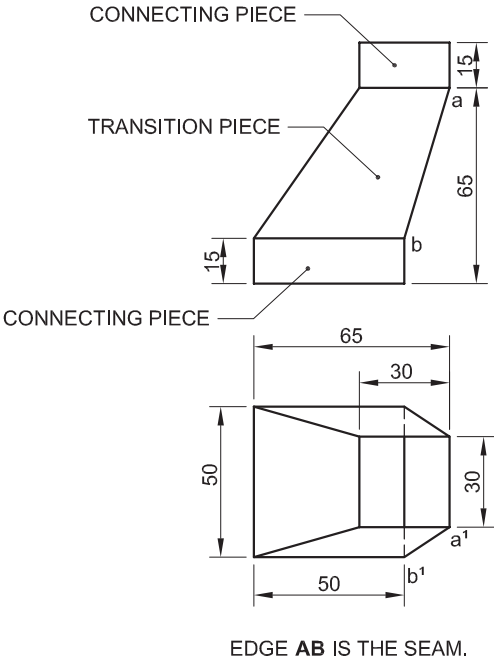


QUESTION 2: DEVELOPMENT

Given:
The front view and top view of a portion of a duct showing a square-to-square transition piece with two connecting pieces.

- Instructions:**
- 2.1 Draw, to scale 1 : 1, the given front view and top view of the portion of the duct.
 - 2.2 Develop the surface of the transition piece ONLY. Make edge AB the seam.

Show ALL necessary construction and fold lines. **[34]**



ASSESSMENT CRITERIA					
1	FRONT VIEW + TOP VIEW	11			
2	TRUE LENGTH METHOD	10			
3	DEVELOPMENT	13			
	TOTAL	34			
EXAMINATION NUMBER					
EXAMINATION NUMBER					3

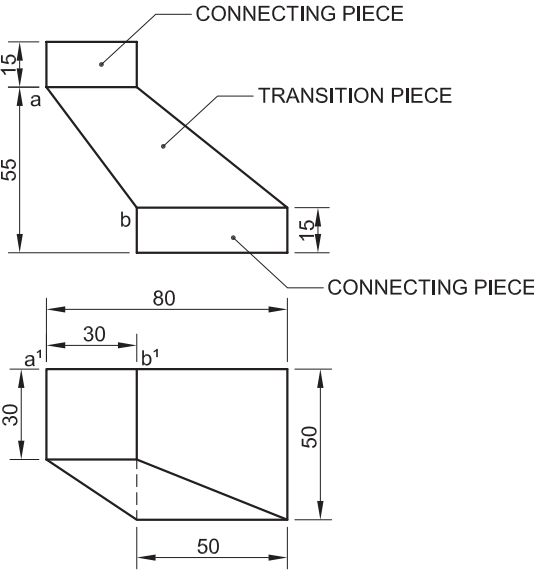


QUESTION 2: DEVELOPMENT

Given:
The front view and top view of a portion of a duct showing an offset square-to-square transition piece with two connecting pieces.

- Instructions:**
- 2.1 Draw, to scale 1 : 1, the given front view and top view of the given portion of the duct.
 - 2.2 Develop the surface of the transition piece ONLY. Make edge AB the seam.

Show ALL necessary construction and fold lines. **[34]**



EDGE **AB** IS THE SEAM.

ASSESSMENT CRITERIA				
FRONT VIEW + TOP VIEW	10			
TRUE LENGTH + METHOD	10			
DEVELOPMENT	14			
TOTAL	34			
EXAMINATION NUMBER				
EXAMINATION NUMBER				3





QUESTION 2: INTERPENETRATION AND DEVELOPMENT

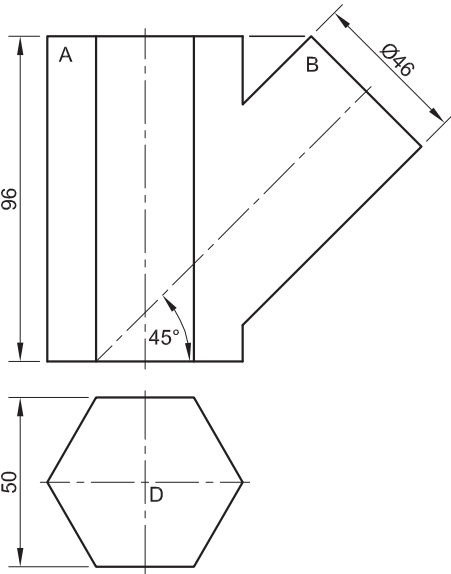
Given:

- The incomplete front view and top view of a connecting piece for a ventilation system. The connecting piece consists of a hexagonal pipe (A) and a cylindrical branch pipe (B) that lie in a common vertical plane
- Centre point D as the reference point on the drawing sheet

Instructions:

- 2.1 Draw, to scale 1 : 1, the following views of the connecting piece:
- 2.1.1 The complete top view using point D as the reference point
- 2.1.2 The complete front view clearly showing the curve of interpenetration
- 2.2 Develop the surface of the cylindrical branch pipe (B).
- Show ALL necessary construction and calculations.

[40]



ASSESSMENT CRITERIA				
1. GIVEN + CENTRE LINES	8			
2. AUX. CIRCLES	4			
3. PROJECTION	4			
4. INTERPENETRATION	5½			
5. TOP VIEW OF CYLINDER	7			
6. DEVELOPMENT	11½			
TOTAL	40			
EXAMINATION NUMBER				
EXAMINATION NUMBER				3



QUESTION 2: DEVELOPMENT

A company that installs extraction systems has designed an extraction unit for the kitchen of a restaurant. The unit consists of a transition piece (A), a cylindrical pipe (B) and a conical funnel (C).

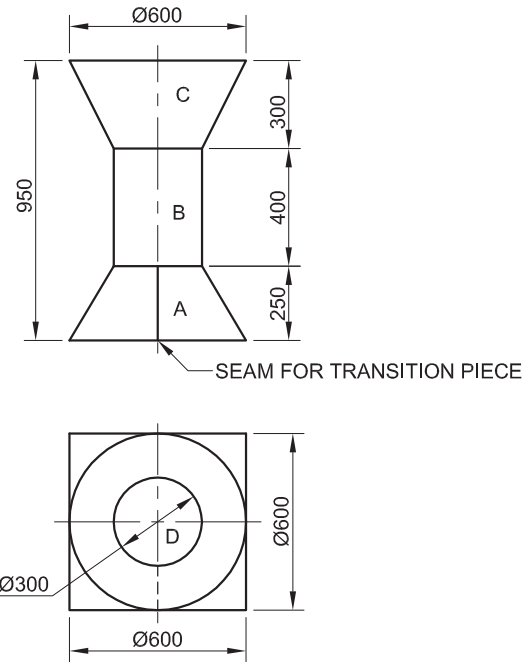
Given:

- The front view and top view of the extraction unit
- Centre point (D) as the reference point on the drawing sheet

Instructions:

- 2.1 Draw, to scale 1 : 10, the given views of the extraction unit using point (D) as the reference point.
- 2.2 Develop the surface of the transition piece (A).
- 2.3 Develop the surface of the cylindrical pipe (B).
- 2.4 Develop the surface of the conical funnel (C).

- Show ALL necessary construction and calculations.
- [37]



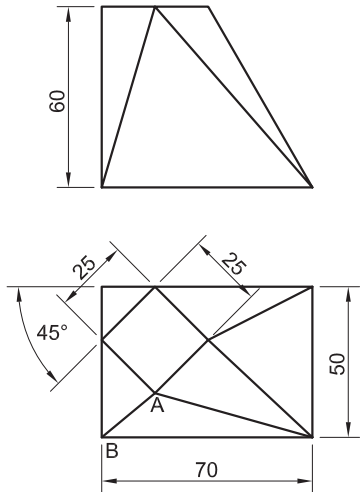
ASSESSMENT CRITERIA				
1. GIVEN	8			
2. TRUE LENGHTS	4			
3. DEVELOPMENT A	14			
4. DEVELOPMENT B	4			
5. DEVELOPMENT C	7			
TOTAL	37			
EXAMINATION NUMBER				
EXAMINATION NUMBER				3



QUESTION 2: DEVELOPMENT

Given:
The front view and top view of a rectangular-to-square transition piece.

- Instructions:**
- 2.1 Draw, to scale 1:1 and in first-angle orthographic projection, the following views of the transition piece:
 - 2.1.1 The top view
 - 2.1.2 The front view
 - 2.1.3 The left view
 - 2.2 Develop the surface of the transition piece. Make the edge marked AB the seam.
 - 2.3 Show ALL necessary construction and fold lines. [34]



ASSESSMENT CRITERIA				
TOP + FRONT + LEFT VIEW	9			
TRUE LENGHTS	8			
DEVELOPMENT	17			
TOTAL	34			
EXAMINATION NUMBER				
EXAMINATION NUMBER				3



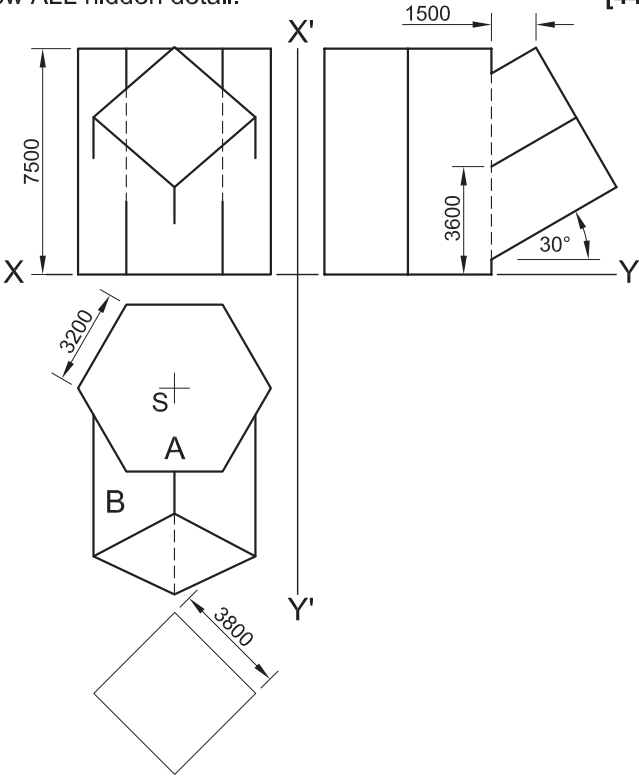
S+

QUESTION 2: INTERPENETRATION AND DEVELOPMENT

Given:
The incomplete front view, top view and the incomplete left view of an anchor used to secure an arch over a stadium. The anchor is a concrete casting in the form of a hexagonal prismatic footing (A) and a square branch piece (B), that has been shaped to fit around the footing. The axes of both pieces lie in a common vertical plane. The branch piece will be cladded with stainless steel.

- Instructions:**
- 2.1 Draw, to scale 1:100 and in first-angle orthographic projection, the following views of the complete anchor clearly showing the curve of interpenetration that will be formed between the two pieces:
 - 2.1.1 The top view using point S as a reference
 - 2.1.2 The complete front view
 - 2.1.3 The complete left view
 - 2.2 Develop the surface of the stainless steel cladding that will cover the branch piece B. Label the development.

- Show ALL necessary constructions.
 - Show ALL hidden detail.
- [44]



ASSESSMENT CRITERIA				
TOP VIEW & CONSTRUCTION	6½			
FRONT VIEW	17			
LEFT VIEW	10			
DEVELOPMENT	10½			
TOTAL	44			
EXAMINATION NUMBER				
EXAMINATION NUMBER				3

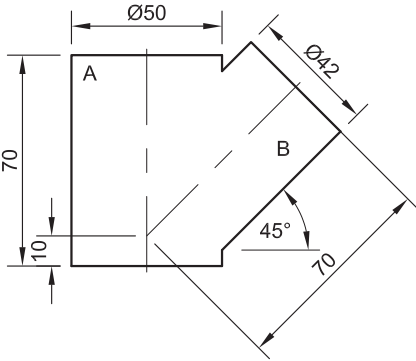


QUESTION 2: INTERPENETRATION AND DEVELOPMENT

A company that installs ventilation systems in buildings, designed a pipe system to fit into an office block. The system consists of a main cylindrical pipe and smaller branch pipes.

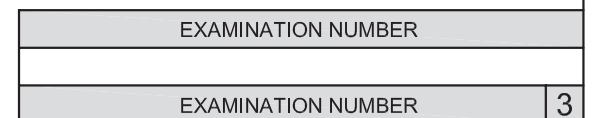
Given:
The incomplete front view of a connecting piece for the ventilation system consisting of a cylindrical pipe (A) and a cylindrical branch pipe (B). The axes of both pipes lie in a common vertical plane.

- Instructions:**
- 2.1 Draw in first-angle orthographic projection the following views of the connecting piece clearly showing the curve of interpenetration:
 - 2.1.1 The front view
 - 2.1.2 The top view
 - 2.2 Develop the surface of the branch pipe marked B.
- Show ALL necessary construction and calculations. **[37]**



ASSESSMENT CRITERIA	
FRONT VIEW	10
TOP VIEW	6
CENTRE LINES (5x½)	2½
CONSTRUCTION	6
FORMULA	2
DEVELOPMENT	10½
TOTAL	37

EXAMINATION NUMBER	
EXAMINATION NUMBER	3



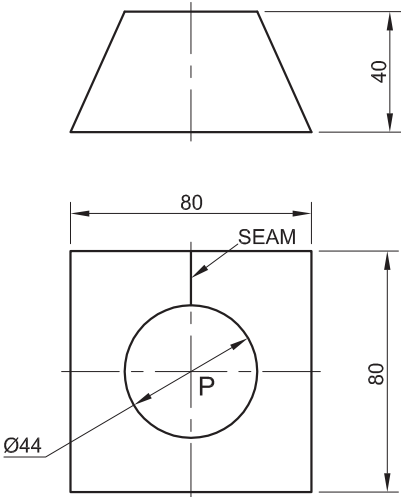


QUESTION 2: DEVELOPMENT

Given:
The front view and top view of a square to a round transition piece.

- Instructions:**
- Draw the given views of the transition piece.
 - Develop the surface of the transition piece.
 - Show ALL necessary construction and fold lines.

[35]



ASSESSMENT CRITERIA		
FRONT VIEW	=	2
TOP VIEW	=	3
CIRCLE DIVISION	=	2
TRUE LENGTH x2	=	6
DEVELOPMENT	=	21
CENTRE LINES	=	1
TOTAL	=	35

EXAMINATION NUMBER	
EXAMINATION NUMBER	3