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NSC Engineering Graphics and Design/P2 DBE/November 2022

QUESTION 3: ISOMETRIC DRAWING

Given:

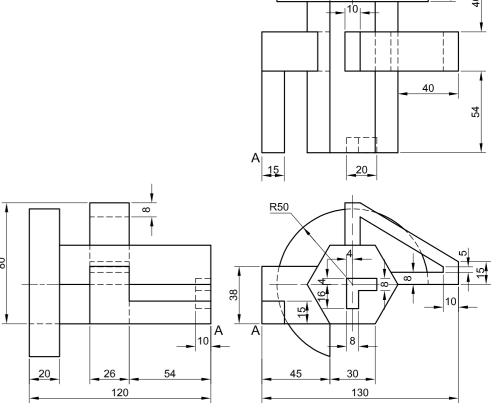
- The front view, top view and left view of a tool
- The position of point A on the drawing sheet

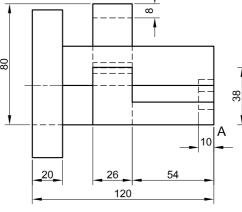
Instructions:

Using scale 1:1, convert the orthographic views of the tool into an isometric drawing.

- Make A the starting and lowest point of the drawing.
- Show ALL construction.
- NO hidden detail is required.







	ASSESSMENT CRITERIA				
1	PLACING + AUX. VIEW	2			
2	BODY	20			
3	HANDLE	9 ½			
4	CIRCLES + CONSTR. + CL	8 ½			
PEI	NALTIES (=)				
	TOTAL	40			
	EXAMINATION NUME	BER			

EXAMINATION NUMBER Please turn over

SC/NSC Engineering Graphics and Design/P2 DBE/2022

QUESTION 3: ISOMETRIC DRAWING

Given:

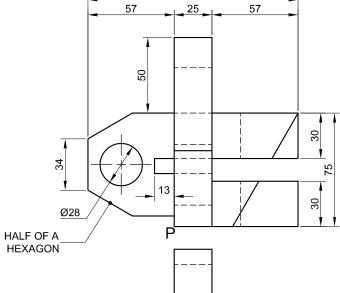
- The front view, top view and left view of a
- The position of point P on the drawing sheet

Instructions:

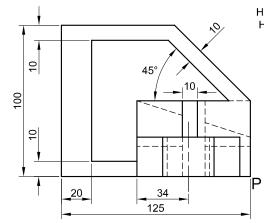
Using scale 1:1, convert the orthographic views of the gauge into an isometric drawing.

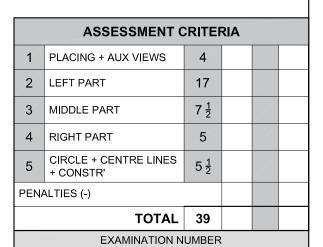
- Use P as the starting point for the drawing.
- Show ALL construction.
- NO hidden detail is required.

[39]



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QUESTION 3: ISOMETRIC DRAWING

Given:

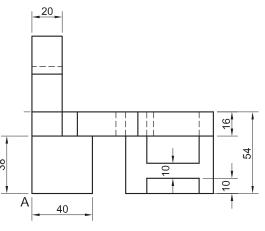
- The front view, top view and left view of a gauge
- The position of point A on the drawing sheet

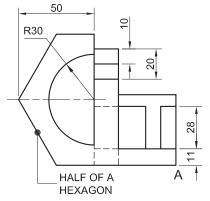
Instructions:

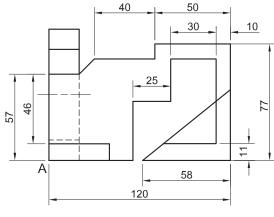
Using scale 1:1, convert the orthographic views of the gauge into an isometric drawing.

- Make A the lowest point of the drawing.
- Show ALL construction.
- NO hidden detail is required.

[40]







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	ASSESSMENT CRITERIA				
1	PLACING + AUX. VIEW	2			
2	FRONT + MIDDLE SURFACES	16 ½			
3	SLOPED SURFACE	11			
4	CIRCLE + HEXAGON	10 ½			
PEI	NALTIES (-)				
TOTAL 40					
	EXAMINATION NUMBER				

QUESTION 3: ISOMETRIC DRAWING

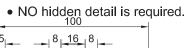
Given:

- The front view, top view and right view of a groove block and slider assembly
- The position of point S on the drawing sheet

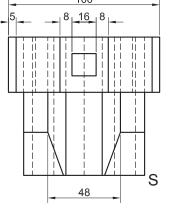
Instructions:

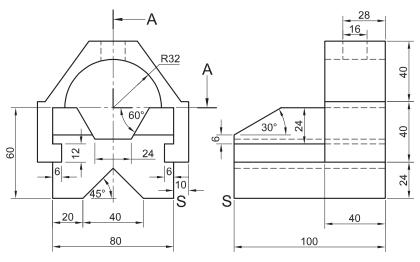
Using scale 1: 1, convert the orthographic views of the groove block and slider assembly into a sectional isometric drawing on cutting plane A-A.

- Make S the lowest point of the drawing.
- Show ALL construction.









	ASSESSMENT CRITERIA				
1	AUX. VIEW + PLACING	2			
2	LOWER PORTION	15			
3	UPPER PORTION	14			
4	SECTION	8			
5	ISO CIRCLES + CIRCLE CONSTR' + CENTRE LINES	3			
PEN	PENALTIES				
	TOTAL	42			
	EXAMINATION NUMBER				

EXAMINATION NUMBER

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Engineering Graphics and Design/P2 SC/NSC DBE/November 2020

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QUESTION 3: ISOMETRIC DRAWING

Given:

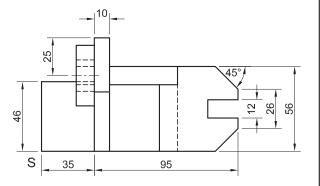
- The front view, top view and left view of a jig
- The position of point S on the drawing sheet

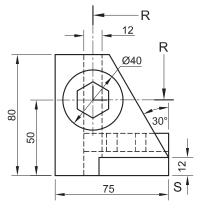
Instructions:

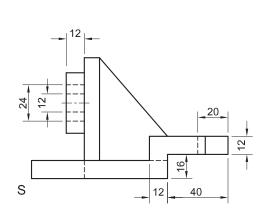
Using scale 1 : 1, convert the orthographic views of the jig into a sectional isometric drawing on cutting plane R-R.

- Make S the lowest point of the drawing.
- Show ALL construction.
- NO hidden detail is required.

[40]







1	PLACEMENT + AUX VIEW	3		
2	BASE	13		
3	UPRIGHT	4 <u>1</u>		
4	CIRCLE + HEZAGON	9 <u>1</u>		
5	SECTION	10		
PEI	NALTIES (-)			

ASSESSMENT CRITERIA

TOTAL 40

EXAMINATION NUMBER

EXAMINATION NUMBER

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QUESTION 3: ISOMETRIC DRAWING

Given:

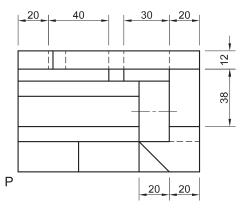
- The front view, top view and left view of a tool iig
- The position of point P on the drawing sheet

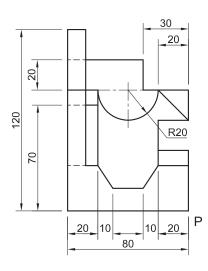
Instructions:

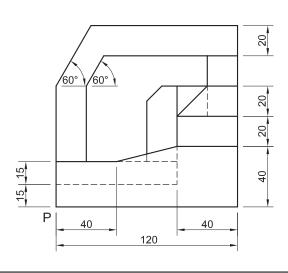
Using scale 1: 1, convert the orthographic views of the tool jig into an isometric drawing.

- Make P the lowest point of the drawing.
- Show ALL construction.
- NO hidden detail is required.

[41]







	ASSESSMENT CRITERIA					
1	PLACEMENT + AUX. VIEW	3				
2	FRONT PORTION	11				
3	BACK PORTION	21 ½				
4	CIRCLE + CIRCLE CONSTRUCTION + CL	5 ½				
PEN	IALTIES (-)					
	TOTAL	41				
	EXAMINATION NUMBER					

EXAMINATION NUMBER

P



QUESTION 3: ISOMETRIC DRAWING

Given:

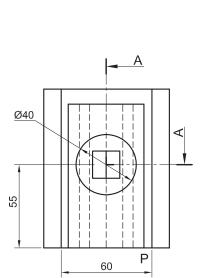
- The front view, top view and left view of a punch guide with a regular pentagonal hole
- The position of point P on the drawing sheet

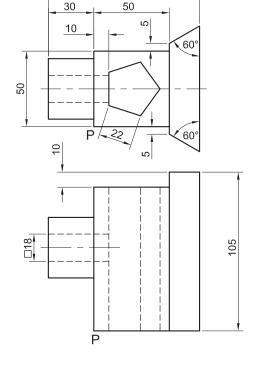
Instructions:

Using scale 1: 1, convert the orthographic views of the punch guide into a sectional isometric drawing on cutting plane A-A.

- Make P the lowest point of the drawing.
- Show ALL construction.
- NO hidden detail is required.

[38]





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ASSESSMENT CRITERIA					
1	AUX. VIEW + PLACING	3			
2	ISOMETRIC + NON-ISO' LINES	14			
3	ISOMETRIC CIRCLES + CIRCLE CONSTR'	7			
4	SECTIONED SURFACES + HATCHING	14			
PEN	PENALTIES				
TOTAL 38					
EXAMINATION NUMBER					

NSC Engineering Graphics and Design/P2 DBE/November 2018

QUESTION 3: ISOMETRIC DRAWING

Given:

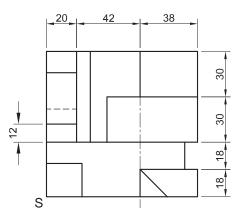
- The front view, top view and left view of a bracket
- The position of point S on the drawing sheet

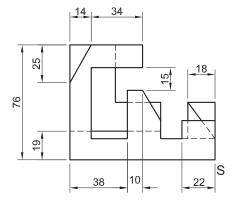
Instructions:

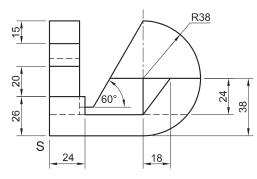
Using scale 1:1, convert the orthographic views of the bracket into an isometric drawing.

- Make S the lowest point of the drawing.
- Show ALL construction.
- NO hidden detail is required.

[38]









	ASSESSMENT CRITERIA				
1	PLACEMENT + AUX. VIEW	2			
2	FRONT PORTION	23½			
3	BACK PORTION	5			
4	CIRCLE + CIRCLE CONSTRUCTION + CL	7 <u>1</u>			
PEN	PENALTIES (-)				
	TOTAL 38				
	EXAMINATION NUMBER				



QUESTION 3: ISOMETRIC DRAWING

Given:

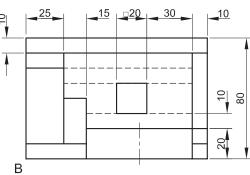
- The front view, top view and left view of a jig
- The position of point B on the drawing sheet

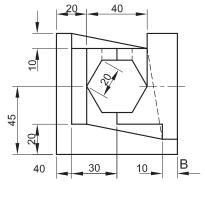
Instructions:

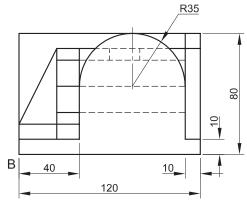
Using scale 1 : 1, convert the orthographic views of the jig into an isometric drawing.

- Make B the lowest point of the drawing.
- Show ALL construction.
- NO hidden detail is required.

[41]









ASSESSMENT CRITERIA					
1	PLACEMENT + AUX. VIEW	2			
2	ISOMETRIC + NON ISOMETRIC LINES	24 ½			
3	HEXAGON + SQUARE	10			
4	CIRCLE + CIRCLE CONSTRUCTION + CL	4 ½			
PEN	PENALTIES (-)				
	TOTAL 41				
EXAMINATION NUMBER					



QUESTION 3: ISOMETRIC DRAWING

Given:

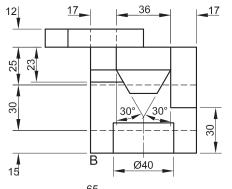
- The front view, top view and left view of a guide
- The position of point B on the drawing sheet

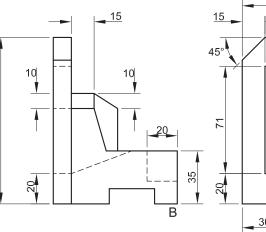
Instructions:

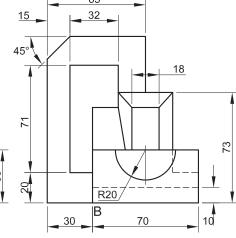
Using scale 1:1, convert the orthographic views of the guide into an isometric drawing.

- Make B the lowest point of the drawing.
- Show ALL construction.
- NO hidden detail is required.

[36]







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	ASSESSMENT CRITERIA				
1	PLACEMENT + AUX. VIEW	2			
2	FRONT + REAR	18			
3	MIDDLE SECTION	10			
4	CIRCLE + CIRCLE CONSTRUCTION + CL	6			
PEN.	PENALTIES (-)				
	TOTAL 36				
	EXAMINATION NUMBER				

SCE DBE/2017 Engineering Graphics and Design/P2



QUESTION 3: ISOMETRIC DRAWING

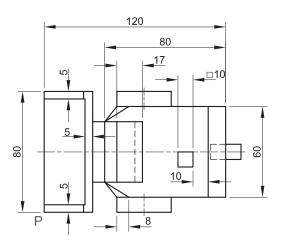
Given:

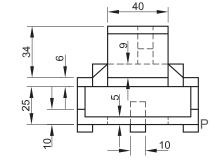
- The front view, top view and left view of a toy
- The position of point P on the drawing sheet

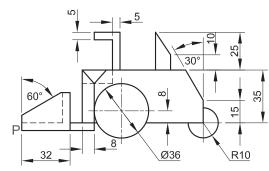
Using scale 1:1, convert the orthographic views of the toy to an isometric drawing.

- Make P the lowest point of the drawing.
- Show ALL construction.
- NO hidden detail is required.

[44]









	ASSESSMENT CRITERIA				
1	PLACEMENT + AUX VIEW	2			
2	SCOOP + BODY	22			
3	CABIN + EXHAUST	11 ½			
4	CIRCLE + CIRCLE CONSTRUCTION + CL	8 ½			
	TOTAL 44				
	EXAMINATION NUMBER				



QUESTION 3: ISOMETRIC DRAWING

Given

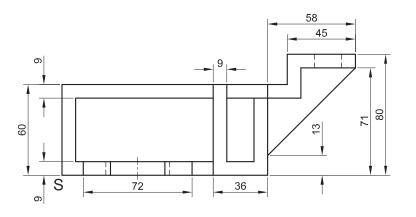
- The front view and top view of a bracket
- The position of point S on the drawing sheet

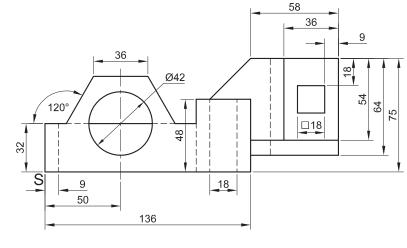
Instructions:

Using scale 1: 1, convert the orthographic views of the bracket to an isometric drawing.

- Make S the lowest point of the drawing.
- Show ALL construction.
- NO hidden detail is required.

[39]





	ASSESSMENT CRITERIA						
1	AUXILIARY VIEW + PLACEMENT	2					
2	FRONT + REAR SECTION	25					
3	HEXAGON	4					
4	CIRCLE + CL	8					
PEI	NALTIES (-)						
	TOTAL	39					
EXAMINATION NUMBER							





NSC Engineering Graphics and Design/P2 DBE/November 2016



QUESTION 3: ISOMETRIC DRAWING

Given:

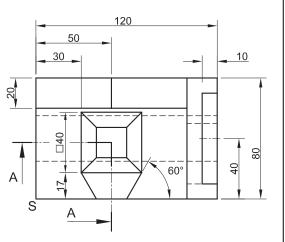
- The front view, top view and left view of a jig
- The position of point S on the drawing sheet

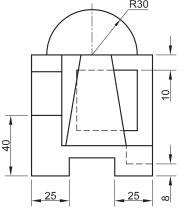
Instructions:

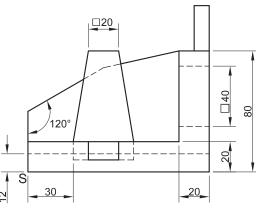
Using scale 1:1, convert the orthographic views of the jig into a sectional isometric drawing on cutting plane A-A.

- Make S the lowest point of the drawing.
- Show ALL necessary construction.
- NO hidden detail is required.

[40]







ASSESSMENT CRITERIA							
1	AUX. VIEW + PLACING	$2\frac{1}{2}$					
2	ISOMETRIC + NON-ISOMETRIC LINES	23					
3	SECTIONED SURFACES	9					
4	ISOMETRIC CIRCLES + CIRCLE CONSTR'	5 ½					
	TOTAL	40					

EXAMINATION NUMBER

EXAMINATION NUMBER

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QUESTION 3: ISOMETRIC DRAWING

Given:

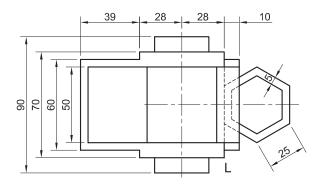
- The front view, top view and right view of a toy planterThe position of corner L on the drawing sheet

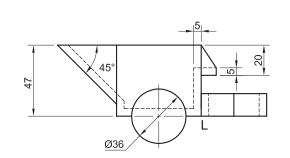
Instructions:

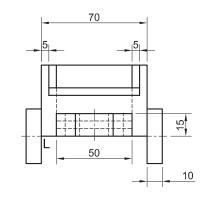
Using scale 1: 1, convert the orthographic views of the toy planter into an isometric drawing.

- Use corner L as the starting point of the drawing.
- Show ALL necessary construction.
- NO hidden detail is required.

[40]









	ASSESSMENT CRITERIA						
1	AUXILIARY VIEWS + PLACING	2					
2	ISOMETRIC + NON-ISOMETRIC LINES	18 ½					
3	HEXAGON	12					
4	CIRCLES + CONSTRUCTION + CENTRE LINES	7 ½					
PEN	NALTIES (-)						
	TOTAL	40					
EXAMINATION NUMBER							
EXAMINATION NUMBER 4							

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QUESTION 3: ISOMETRIC DRAWING

Given:

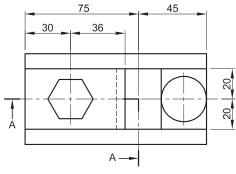
- The front view, top view and left view of a woodworking plane
- The position of point P on the drawing sheet

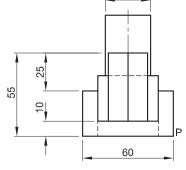
Instructions:

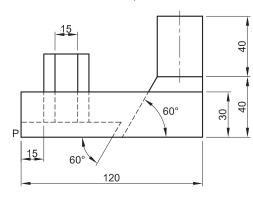
Using scale 1 : 1, convert the orthographic views of the woodworking plane into a sectional isometric drawing on cutting plane A-A.

- Make P the lowest point of the drawing.
- Show ALL necessary construction.
- NO hidden detail is required.

[34]







ASSESSMENT CRITERIA						
1	AUXILLIARY VIEW + PLACING	3				
2	ISOMETRIC + NON-ISOMETRIC	12 ½				
3	HEXAGON	2 ½				
4	CIRCLES + CONSTRUCTION + CL	6				
5	SECTION	8				
6	HATCHING	2				
PEN	NALTIES (-)					
	TOTAL	34				
EXAMINATION NUMBER						
	EXAMINATION NUMBER 4					



QUESTION 3: ISOMETRIC DRAWING

Given:

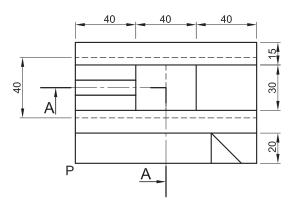
- The front view, top view and left view of a machine switch with cutting plane A-A
- The position of point P on the drawing sheet

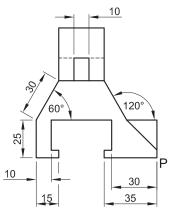
Instructions:

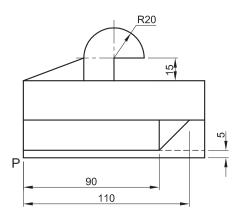
Using scale 1: 1, convert the orthographic views of the machine switch into a sectional isometric drawing on cutting plane A-A.

- Make P the lowest point of the drawing.
- Show ALL necessary construction.
- NO hidden detail is required.

[39]







ASSESSMENT CRITERIA							
1	AUX. VIEW + PLACING	3					
2	ISOMETRIC + NON-ISOMETRIC LINES	16½					
3	ISO' CIRCLES + CIRCLE CONSTRUCTION	5					
4	SECTIONED SURFACES	11					
5	HATCHING	3 ½					
PEI	NALTIES (-)						
	TOTAL	39					
EXAMINATION NUMBER							
EXAMINATION NUMBER 4							

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QUESTION 3: ISOMETRIC DRAWING

Given:

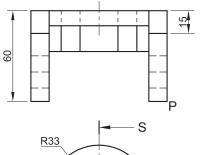
- The front view, top view and right view of a bracket
- The position of point P on the drawing sheet

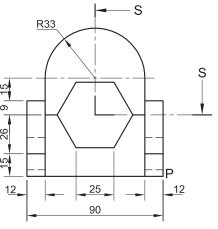
Instructions:

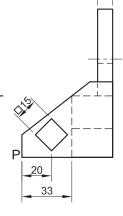
Using scale 1: 1, convert the orthographic views of the bracket into a sectional isometric drawing on cutting plane S-S.

- Make P the lowest point of the drawing.
- Show ALL necessary construction.
- NO hidden detail is required.

[37]







ASSESSMENT CRITERIA					
1	AUX. VIEW + PLACING	3			
2	ISOMETRIC + NON-ISO'	13			
3	HEXAGON + SQUARES	9 ½			
4	CIRCLES + CONST.	4			
5	SECTION	5			
6	HATCHING	2 ½			
PEI	NALTIES (-)				
	TOTAL	37			
EXAMINATION NUMBER					

EXAMINATION NUMBER

P





QUESTION 3: ISOMETRIC DRAWING

Given:

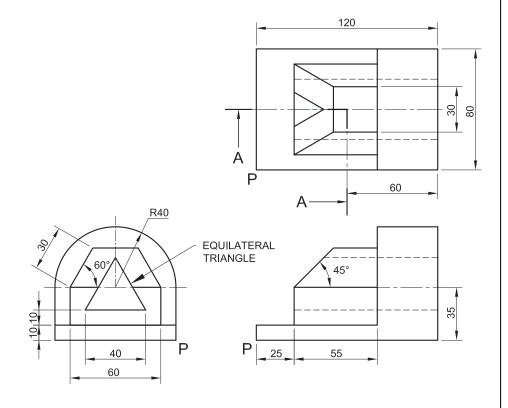
- The front view, top view and left view of a support
- The position of point P on the drawing sheet

Instructions:

Using scale 1: 1, convert the orthographic views of the support into a sectional isometric drawing on cutting plane A-A.

- Make P the lowest point of the drawing.
- Show ALL necessary construction.
- NO hidden detail is required.

[36]



ASSESSMENT CRITERIA						
1.	AUX. VIEW + PLACING	4				
2.	ISOMETRIC + NON- ISOMETRIC LINES	13				
3.	ISOMETRIC CIRCLES	4				
4.	CIRCLE CONSTRUCTION	2				
5.	SECTIONED SURFACES	9				
6.	HATCHING	4				
	TOTAL	36				
EXAMINATION NUMBER						
EXAMINATION NUMBER 4						

 $\frac{1}{2}$



QUESTION 3: ISOMETRIC DRAWING

Given:

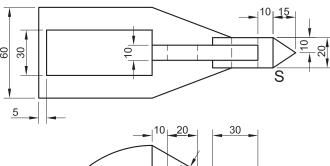
- The front view and top view of a jig
- The position of point S on the drawing sheet

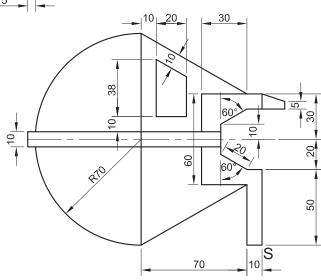
Instructions:

Using scale 1:1, convert the orthographic views of the jig to an isometric drawing.

- Make S the lowest point of the drawing.
- Show ALL necessary construction.
- NO stencils may be used.
- NO hidden detail is required.

[41]





ASSESSMENT CRITERIA						
1	AUX. + PLACEMENT	2				
2	FRONT	19				
3	MIDDLE	14				
4	CONSTR. + CIRCLE	6				
	TOTAL	41				
EVAMINATION NUMBER						

EXAMINATION NUMBER

EXAMINATION NUMBER

 $\frac{\downarrow}{\mathsf{S}}$

DBE/November 2013 Engineering Graphics and Design/P2 NSC



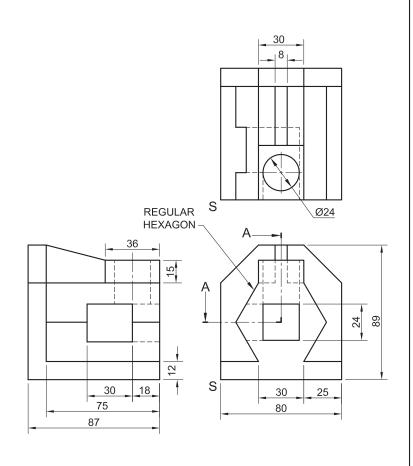
QUESTION 3: ISOMETRIC DRAWING

- The front view, top view and left view of a bracket
- The position of point S on the drawing sheet

Using scale 1:1, convert the orthographic views of the bracket to a sectional isometric drawing on cutting plane

- Make S the lowest point of the drawing.
- Show ALL necessary construction.
- NO stencils may be used.
- NO hidden detail is required.

[41]



	ASSESSMENT CRITERIA							
1	AUX' VIEW + PLACEMENT	2						
2	BASE	8						
3	HEXAGONAL PRISM	10						
4	CIRCLES	5						
5	SECTION	12						
6	HATCHING	4						
	TOTAL	41						
	EXAMINATION NUMBER							

EXAMINATION NUMBER

 $\overset{\downarrow}{\rm S}$

Engineering Graphics and Design/P2 NSC DBE/Feb.-Mar. 2013



QUESTION 3: ISOMETRIC DRAWING

Given:

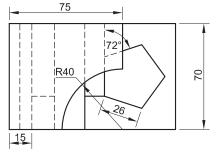
- The front view, top view and right view of a bracket with a regular pentagonal hole
- The position of point A on the drawing sheet

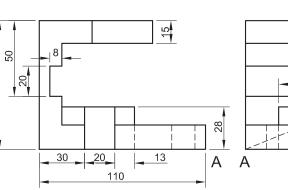
Instructions:

Using scale 1: 1, convert the orthographic views of the bracket into an isometric drawing.

- Make A the lowest point of the drawing.
- Show ALL necessary construction.
- NO stencils may be used.
- NO hidden detail is required.

[37]





	30	
	48	
1		
Q V		16
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	ASSESSMENT CRITERIA						
1	AUX' VIEW + CIRCLE PENTAGON + PLACING	12					
2	LOWER PORTION	15½					
3	UPPER PORTION	9½					
	TOTAL 37						
	EXAMINATION NUMBER						

Engineering Graphics and Design/P2 NSC DBE/November 2012



QUESTION 3: ISOMETRIC DRAWING

Given:

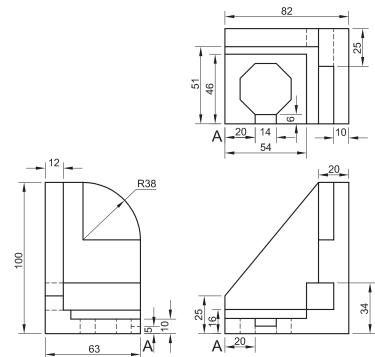
- The front view, top view and left view of a bracket with a regular octagonal hole
- The position of point A on the drawing sheet

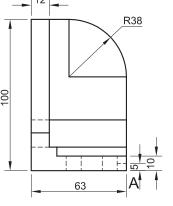
Instructions:

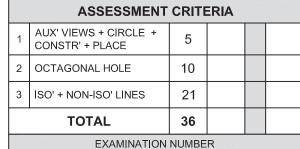
Using scale 1:1, convert the orthographic views of the bracket into an isometric drawing.

- Make A the lowest point of the drawing.
- Show ALL necessary construction.
- NO stencils may be used.
- NO hidden detail is required.

[36]







Engineering Graphics and Design/P2 NSC DBE/Feb.-Mar. 2012



QUESTION 3: ISOMETRIC DRAWING

Given:

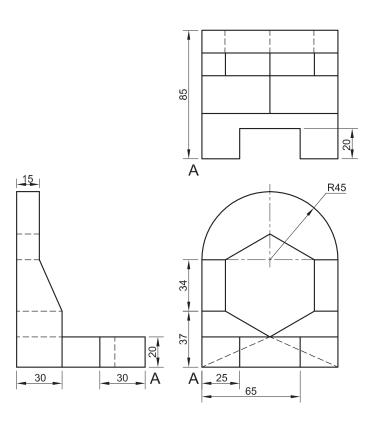
- The front view, top view and left view of a jig with a regular hexagonal hole
- The position of point A on the drawing sheet

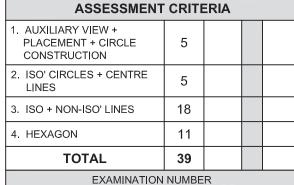
Instructions:

Using scale 1:1, convert the orthographic views of the jig into an isometric drawing.

- Make A the lowest point of the drawing.
- Show ALL necessary construction.
- NO stencils may be used.
- NO hidden detail is required.

[39]





EXAMINATION NUMBER

 $\stackrel{\downarrow}{\mathsf{A}}$



QUESTION 3: ISOMETRIC DRAWING

Given:

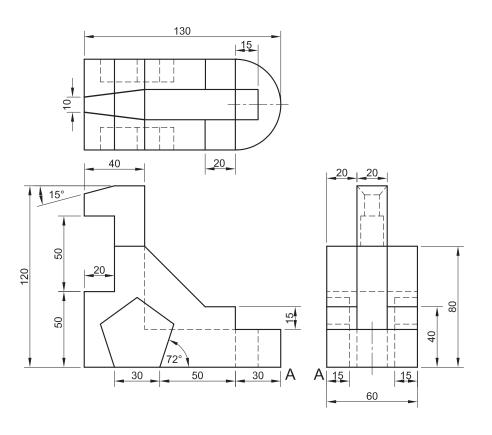
- The front view, top view and right view of a safety clip with TWO regular pentagonal slot holes
- The position of point A on the drawing sheet

Instructions:

Using scale 1: 1, convert the orthographic views of the safety clip into an isometric drawing.

- Make A the lowest point of the drawing.
- Show ALL necessary construction.
- NO stencils may be used.
- NO hidden detail is required.

[40]







ASSESSMENT CRITERIA							
AUXILIARY VIEWS + CIRCLE CONSTRUCTION + PLACE	6						
ISO' ARCS + PENTAGONAL HOLE	11						
ISO' + NON-ISO' LINES	23						
TOTAL	40						
EXAMINATION NUMBER							

Engineering Graphics and Design/P2 NSC DBE/Feb. - Mar. 2011

QUESTION 3: ISOMETRIC DRAWING

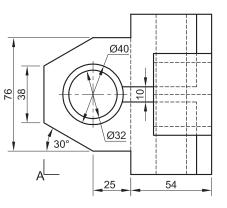
- The front view, top view and left view of a movable coupling
- The position of point A on the drawing sheet

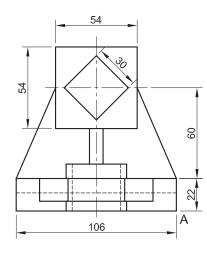
Instructions:

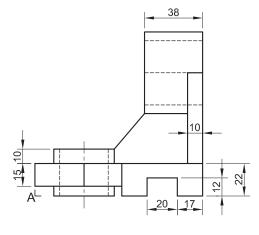
Convert the orthographic views of the movable coupling into a scale 1:1 isometric drawing.

- Make corner A the lowest point of the drawing.
- Show ALL necessary circle and other construction.
- NO hidden detail is required.

[39]









ASSESSMENT CRITERIA						
1. AUX. VIEW + PLACING	4					
2. ISOMETRIC LINES	20					
3. NON-ISOMETRIC LINES	6 <u>1</u>					
4. ISOMETRIC CIRCLES	5 1					
5. CIRCLE CONSTRUCTION	2					
6. CENTRE LINES	1					
TOTAL	39					
EXAMINATION NUMBER						
EXAMINATION NUMBER 4						

Chigh certaing Graphics and Designin

QUESTION 3: ISOMETRIC DRAWING

Given:

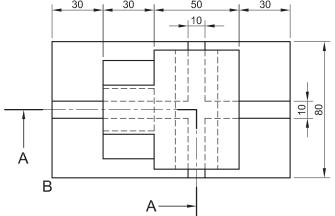
- The front view, top view and left view of a channel drilling jig with cutting plane A-A
- The position of point B on the drawing sheet

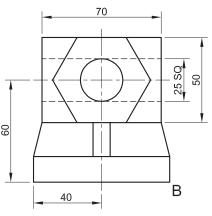
Instructions:

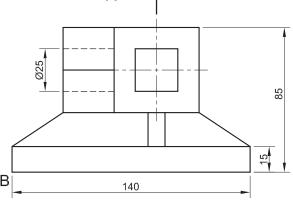
Convert the orthographic views of the channel drilling jig into a scale 1 : 1 sectional isometric drawing on cutting plane A-A.

- Make corner B the lowest point of the drawing.
- Show ALL necessary circle and other construction.
- NO hidden detail is required.

[40]







ASSESSMENT CRITERIA						
1. AUX. VIEW + PLACING	3					
2. ISOMETRIC LINES	11					
3. NON-ISOMETRIC LINES	3					
4. ISOMETRIC CIRCLES	3					
5. CIRCLE CONSTRUCTION	1 1 /2					
6. CENTRE LINES	1 1 /2					
7. SECTIONED SURFACES	13					
8. HATCHING	4					
TOTAL	40					
EXAMINATION NUMBER						
EXAMINATION NUMBER 4						





QUESTION 3: ISOMETRIC DRAWING

Given:

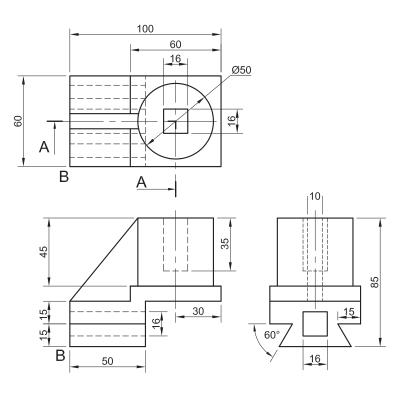
- The front view, top view and right view of a cross slide with a cutting plane A-A
- The position of point B on the drawing sheet

Instructions:

Convert the orthographic views of the cross slide into a sectional isometric drawing on cutting plane A-A.

- Make corner B the lowest point of the drawing.
- Show ALL necessary circle construction.
- NO hidden detail is required.

[43]



ASSESSMENT CRITERIA				
AUXILIARY VIEW + PLACING	3			
ISO' CIRCLES + CONSTR' + CENTRE LINES	9			
ISO' + NON-ISO' LINES	15½			
SECTIONED SURFACES	11½			
HATCHING/NO HATCHING	4			
TOTAL	43			

EXAMINATION NUMBER

EXAMINATION NUMBER

 $\frac{\downarrow}{\mathsf{B}}$



QUESTION 3: ISOMETRIC DRAWING

Given:

The front view, top view and right view of a jig bracket with a cutting plane A-A.

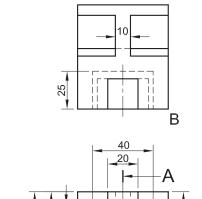
The position of point B on the drawing sheet.

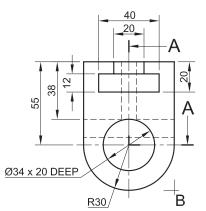
Instructions:

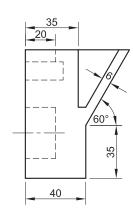
Convert the orthographic views of the jig bracket into a sectional isometric drawing on cutting plane A-A.

- Make corner B the lowest point of the drawing.
- Show ALL necessary construction.
- NO hidden detail is required.

[44]









ASSESSMENT CRITERIA					
CONSTR' + AUX + B	8				
ISO' CIRCLES + CNTR LINES	81/2				
ISO' + NON-ISO' LINES	12				
SECTIONED SURFACES	10½				
HATCHING	5				
TOTAL	44				
EXAMINATION NUMBER					
l					

Engineering Graphics and Design/P2

NSC

DoE/February/March 2009

QUESTION 3: ISOMETRIC DRAWING

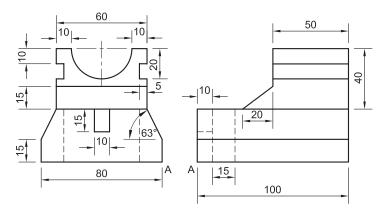
Give

The front view and left view of a pipe support.
The position of point A on the drawing sheet.

Instructions:

- 3. Convert the orthographic views of the pipe support into an isometric drawing.
- Make corner A the lowest point of the drawing.
- Show ALL necessary construction.
- NO hidden detail is required.

[43]





ASSESSMENT CRITERIA

AUXILIARY VIEW = 2
ISOMETRIC LINES = 26
NON-ISOMETRIC LINES = 5
ISOMETRIC CIRCLES = 3
CIRCLE CONSTRUCTION = 3
CENTRE LINES = 3
PLACING ON A = 1
TOTAL = 43

EXAMINATION NUMBER

EXAMINATION NUMBER



QUESTION 3: ISOMETRIC DRAWING

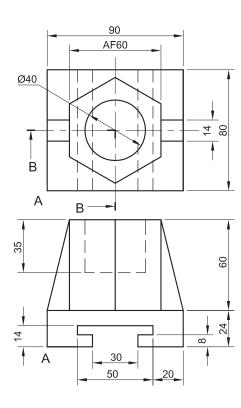
Give

The front view and top view of a hexagonal slide plate that is cut by cutting plane B-B.

Instructions:

- Convert the orthographic views of the hexagonal slide plate into a sectional isometric drawing on B-B.
- Make corner A the lowest point of the drawing so that the sectioned surfaces are visible.
- Show ALL necessary construction.
- NO hidden detail is required.

[40]



ASSESSMENT CRITERIA

AUXILIARY VIEW = 2 = 6 ISOMETRIC SURFACES NON-ISOMETRIC LINES = 2 SECTIONED SURFACE $= 9\frac{1}{2}$ ISOMETRIC CIRCLES = 4 CIRCLE CONSTRUCTION = 3 HATCHING = 4 CENTRE LINES $= 2\frac{1}{2}$ = 5 HEXAGON PLACING ON A = 2 TOTAL = 40

EXAMINATION NUMBER

Caprile and Designin 2

QUESTION 3: ISOMETRIC DRAWING

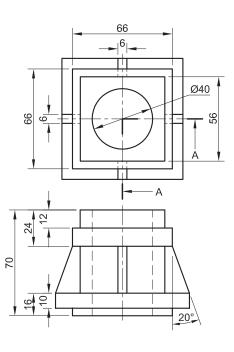
Give

The front view and top view of a rod guide that is cut by cutting plane A-A.

Instructions:

- Convert the orthographic views of the rod guide into a sectional isometric drawing.
- Position the answer so that the sectioned surfaces are visible.
- Show the circle construction.
- NO hidden detail is required.

[40]



ASSESSMENT CRITERIA

AUXILIARY VIEW ISOMETRIC SURFACES = 8 NON-ISOMETRIC LINES = 2 CUT = 12 ISOMETRIC CIRCLES = 4 CIRCLE CONSTRUCTION = 4 HATCHING = 6 **CENTRE LINES** = 2 TOTAL = 40

EXAMINATION NUMBER

EXAMINATION NUMBER 4