higher education & training

Department:
Higher Education and Training
REPUBLIC OF SOUTH AFRICA

MARKING GUIDELINE

NATIONAL CERTIFICATE (VOCATIONAL)

DRAWING OFFICE PROCEDURES AND TECHNIQUES

(Second paper)

NQF LEVEL 3

22 November 2022

This marking guideline consists of 8 pages.

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QUESTION 1

1.1 1.1.1 Projected views of CAD models, including top, front, side and isometric views.

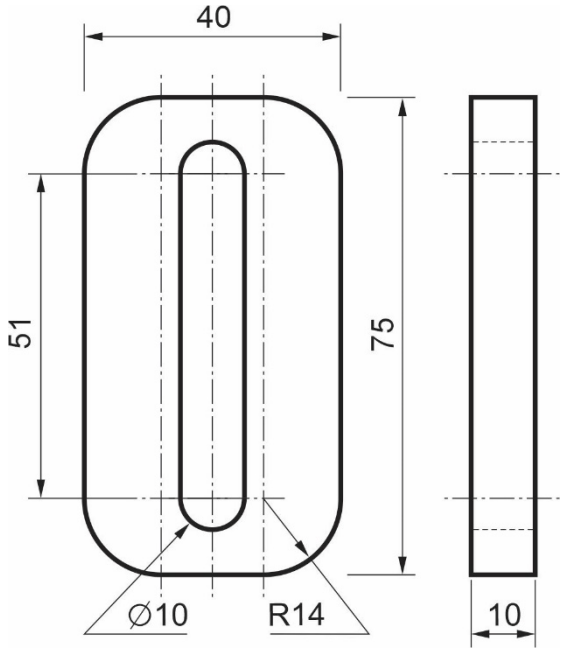
1.1.2 A person skilled in the development and definition of techniques to solve problems.

1.1.3 A list of materials required to complete a specific job or project.

1.1.4 It stands for the International Organisation for Standardisation, which is the world's largest developer and publisher of international standards.

(4 × 1) (4)

1.2



TWO marks for the drawing and TWO marks for the dimensions (2 × 2) (4)

1.3 The Preview button allows a preview of a drawing before it is plotted. (1)

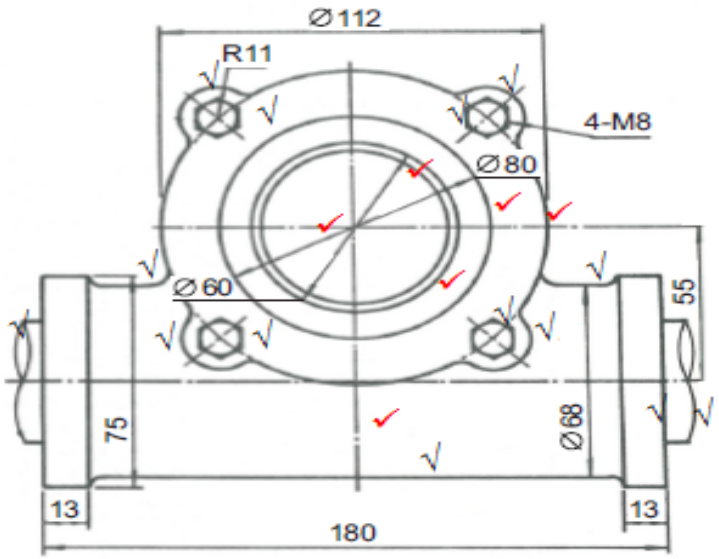
1.4 The Expand button is used to switch to the expanded dialogue box, which contains additional print or plot options. (1)

[10]

QUESTION 2

Question 2			
2.1	General Layout	1	
	Correctness		
	• Line work correct	2	
	• Scale correct	2	
	• All circles correctly placed	4	
	• All 4-M8	2	
	• All R11	2	
	• All arcs	1	
	• Base and shaft	2	
	• All centre lines	2	18
2.2	Dimensions		3
2.3	Title bar with information		2
2.4	Correct plot		2
	Total		**[25]**

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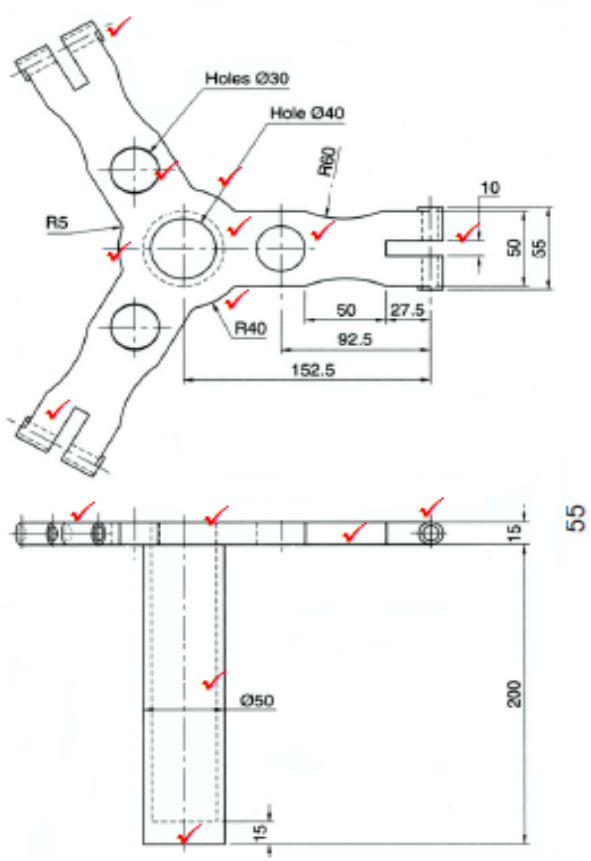


STUDENT NUMBER:	CENTRE NUMBER:	DATE:	QUESTION NUMBER: 2
		SCALE: 1:2	

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QUESTION 3

Question 3	3.1	3.2	3.3	3.4	3.5		
Correctness							
• Layout	4						
• Line work correct	5						
• Scale	3						
• Centre lines	2						
• Hidden lines	1						
Dimensions		5					
Title bar with information			4				
Correct plot				4			
Symbol					2		
Total	**15**	**5**	**4**	**4**	**2**		**[30]**



STUDENT NUMBER:	CENTRE NUMBER:	DATE:	QUESTION NUMBER: 3
		SCALE: 1:4	
		ORTHOGRAPHIC PROJECTION	

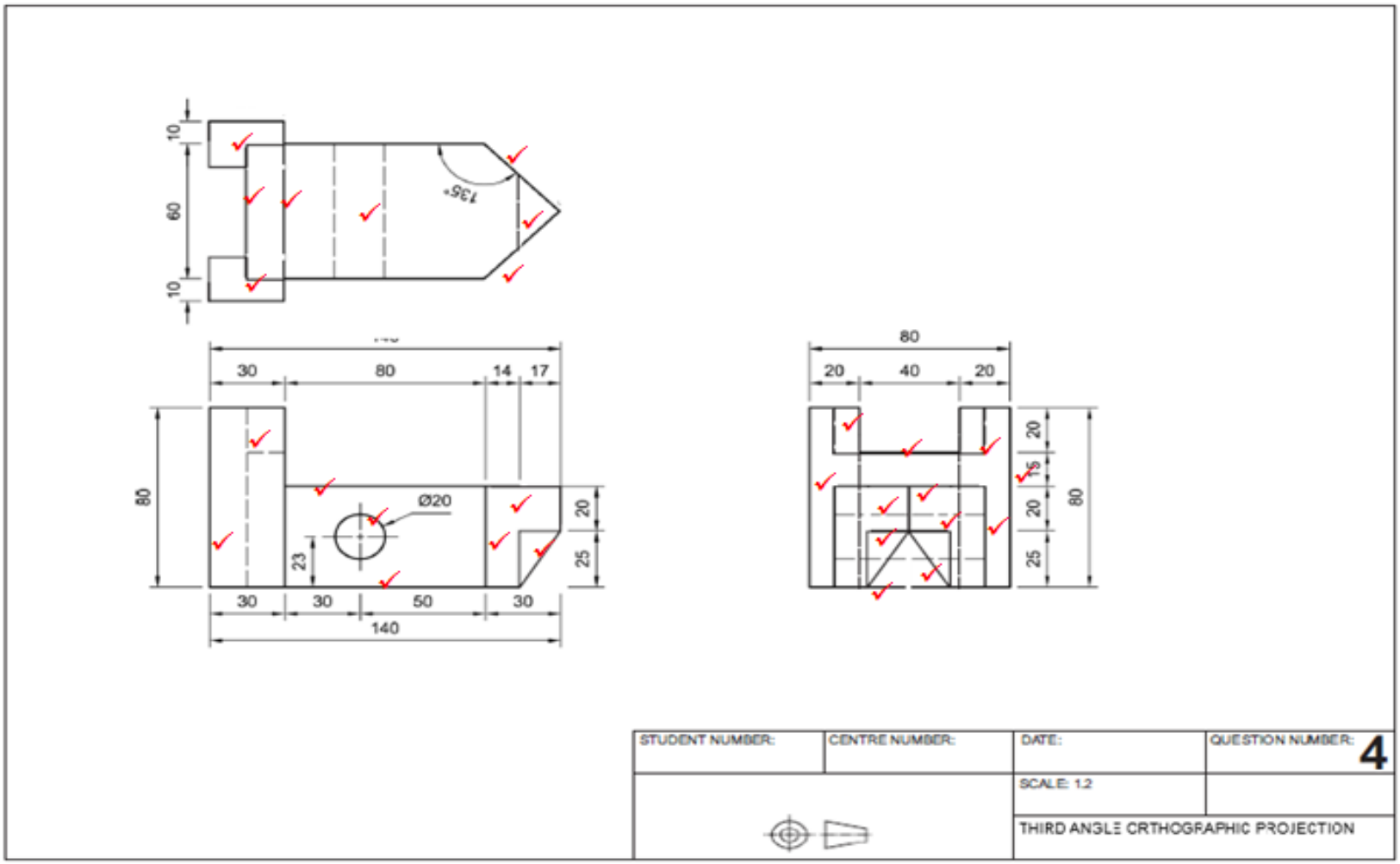
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QUESTION 4

Question 4	4.1	4.2	4.3	4.4	4.5	4.6	
Correctness	**Front view**	**Right view**	**Top view**				
• Layout	1	2	1				
• Line work correct	1	4	1				
• Scale	1	1	1				
• Centre lines	1	1	1				
• Hidden lines	1	1	1				
• Dimensions	1	1	1				
Title bar with information				2			
Correct plot	2	2	2		3		
Symbol						2	
Total	**8**	**12**	**8**	**2**	**3**	**2**	**[35]**

TOTAL: 100

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