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

7 December 2020

This marking guideline consists of 6 pages.

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QUESTION 1

1.1 1.1.1 An object or text item created by using CAD software.

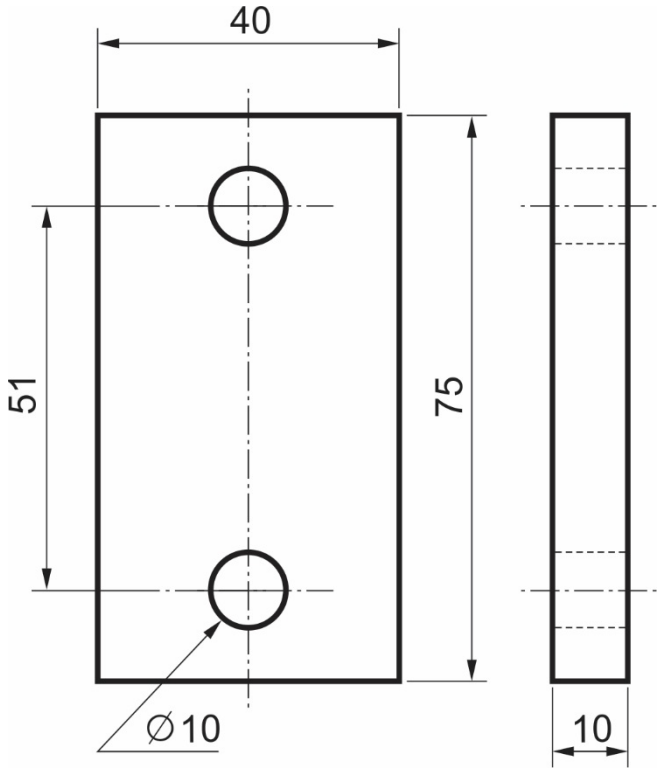
1.1.2 A person skilled in the development and definition of techniques to solve problems.

1.1.3 A computational method for solving problems. Developing the algorithm in machining is the pre-planning to create an orderly procedure for machining processes.

1.1.4 The ratio of width to height for a graphics display.

(4 × 1) (4)

1.2



Drawing√√
Dimensions√√ (4)

1.3 To rotate objects: choose a base point and a relative absolute rotation angle. (2)
[10]

QUESTION 2

Question 2	2.1	2.2	2.3	2.4			
Layout	1						
Linework correct	4						
Scale	2						
All circles correctly placed	3						
All arcs	3						
All centre lines	2						
Dimensions		4					
Title with included information			3				
Correct plot				3			
Total	15	4	3	3			**[25]**

QUESTION 3

Question 3	3.1	3.2	3.3	3.4	3.5		
Layout	3						
Linework correct	5						
Scale	3						
Centre lines	2						
Hidden lines	1						
Dimensions		6					
Title bar with information			4				
Correct plot				4			
Symbol					2		
Total	14	6	4	4	2		**[30]**

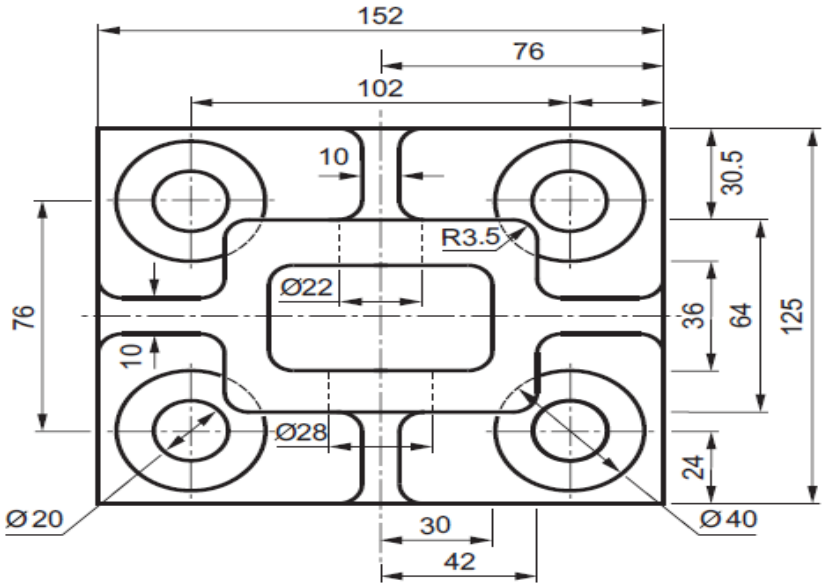
QUESTION 4

Question 4	4.1	4.2	4.3	4.4	4.5	4.6	
Layout	1	1	2				
Linework correct	1	1	4				
Scale	1	1	1				
Centre lines	1	1	1				
Hidden lines	1	1	1				
Dimensions	1	1	1				
Title bar with information				1			
Correct plot	4	4			3		
Symbol						1	
Total	10	10	10	1	3	1	**[35]**

TOTAL: 100

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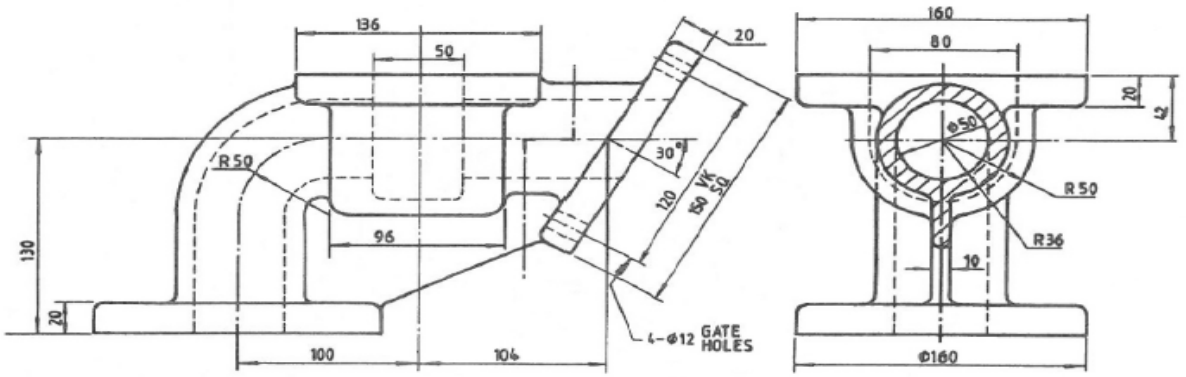
QUESTION2



STUDENT NUMBER:	CENTRE NUMBER:	DATE:	QUESTION NUMBER: 2
		SCALE: 1.2	
		ORTHOGRAPHIC PROJECTION	

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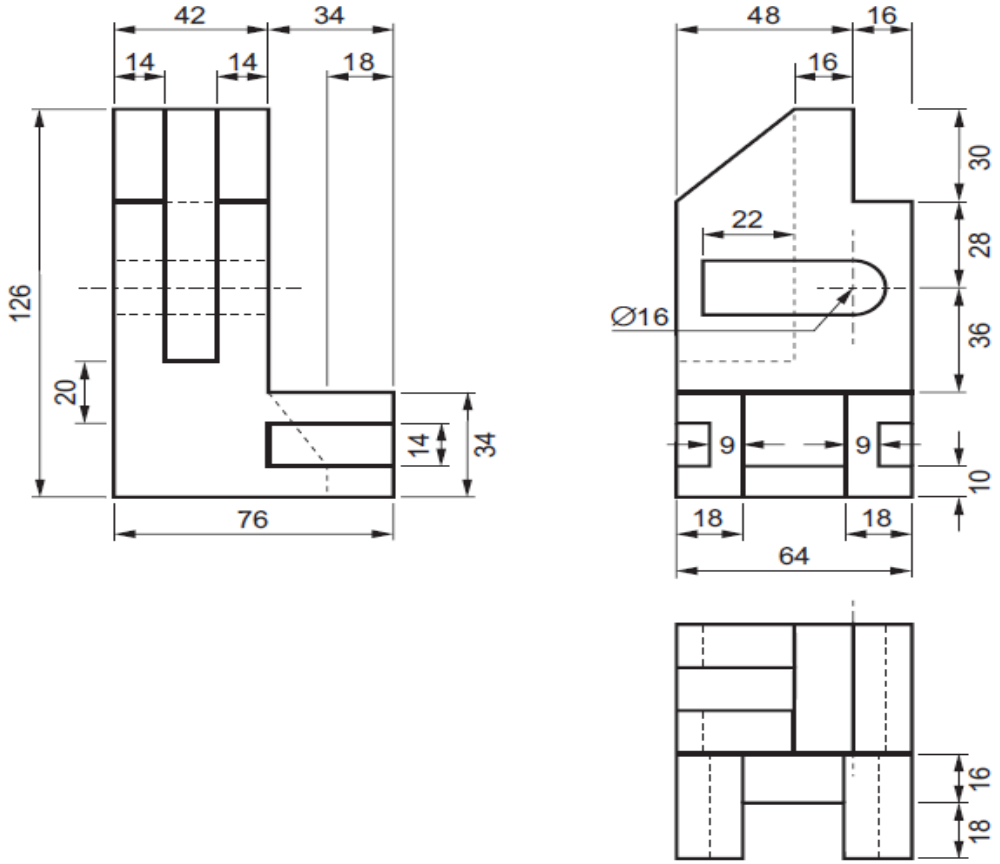
QUESTION 3



STUDENT NUMBER:	CENTRE NUMBER:	DATE:	QUESTION NUMBER: 3
		SCALE: 1.4	
		FIRST ANGLE ORTHOGRAPHIC PROJECTION	

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QUESTION 4



STUDENT NUMBER:	CENTRE NUMBER:	DATE:	QUESTION NUMBER: 4
		SCALE: 1.2	
		FIRST ANGLE ORTHOGRAPHIC PROJECTION	

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