

Soek jy 'n fantastiese tutor?

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basic education

Department:
Basic Education
REPUBLIC OF SOUTH AFRICA

NATIONAL SENIOR CERTIFICATE

GRADE 12

ENGINEERING GRAPHICS AND DESIGN P2

NOVEMBER 2019

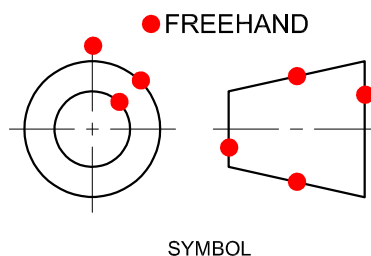
MARKING GUIDELINES

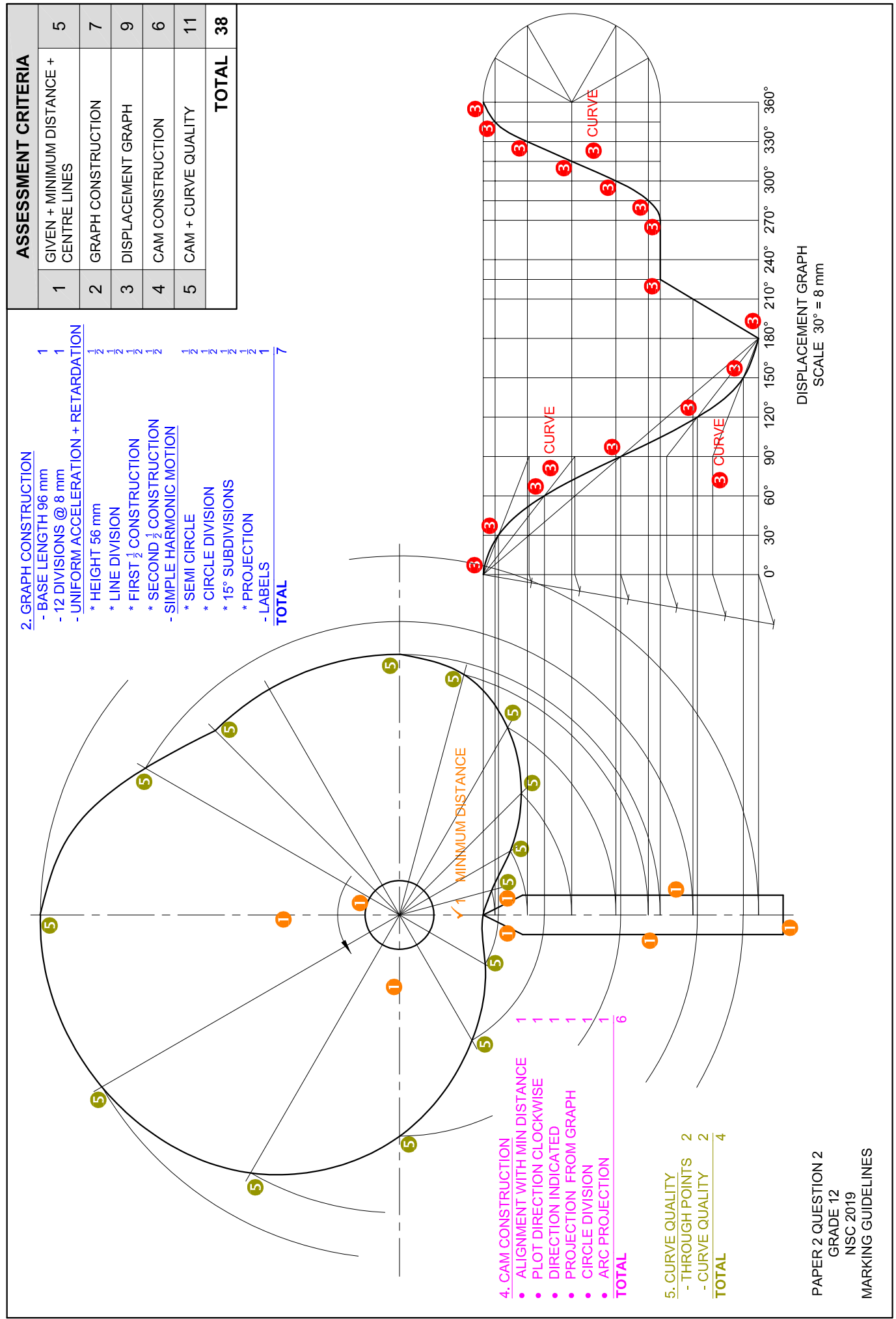
MARKS: 100

These marking guidelines consist of 6 pages.

ANSWERS		
1	TO CHECK THE DRAWING	1
2	www.foundry.co.za	1
3	MJIG-12-V5	1
4	JR MANUFACTURES	1
5	30	1
6	SECTIONAL FRONT VIEW ON T-T	2
7	REMOVED SECTION	1
8	OFFSET or MULTI-PLANE	1
9	A: R4 B: 15 C: 12 D: 84 E: Ø7	5
10	199	1
11	WEB or RIB	1
12	18 mm	1
13	COUNTER BORE	1
14	8	1
15	HATCHING IN OPPOSITE DIRECTIONS	2
16	30.85	1
17	DIRECTION OF LAY	d
	ROUGHNESS VALUE	a
	SAMPLING LENGTH	c
	MACHINING ALLOWANCE	e
18	<i>See below</i>	4
TOTAL		30

ANSWER 18





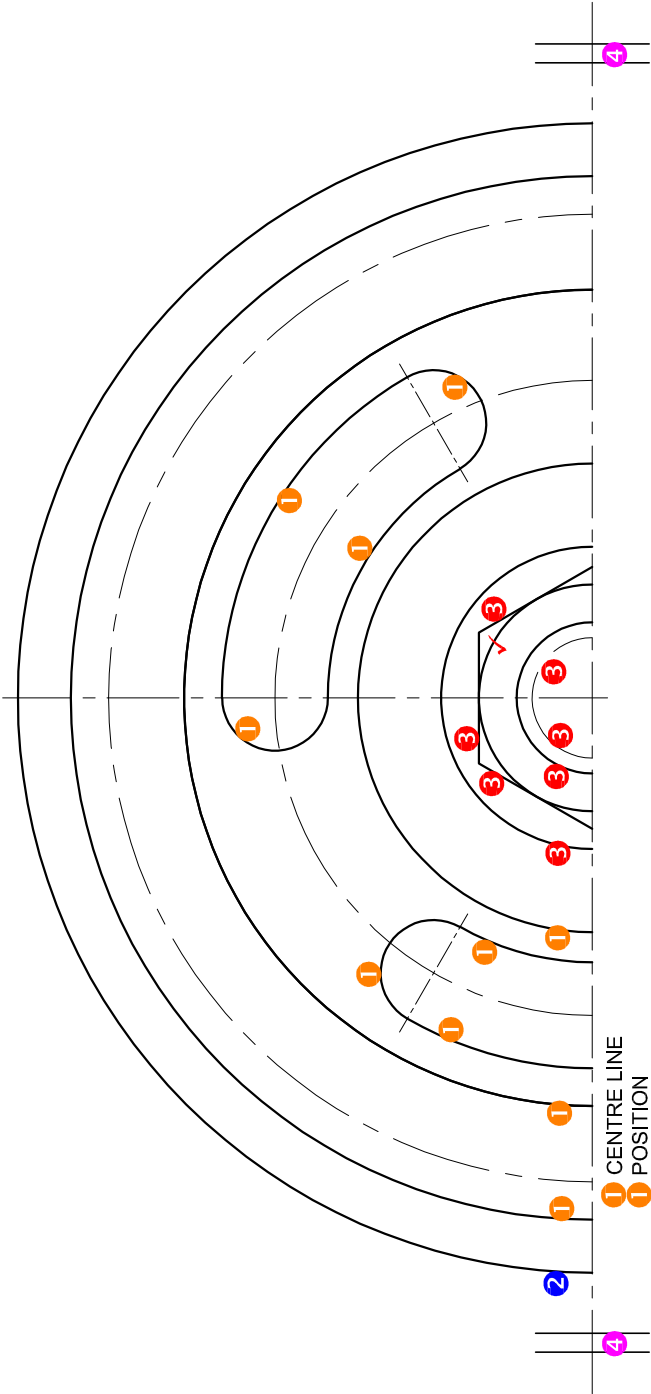
✓1 CORRECT PLACEMENT

✓4 CIRCLE CONSTRUCTION
✓4 CENTRE LINES

P

PAPER 2 QUESTION 3
GRADE 12
NSC 2019
MARKING GUIDELINES

ASSESSMENT CRITERIA		
1	PLACEMENT + AUX. VIEW	3
2	FRONT PORTION	11
3	BACK PORTION	21 $\frac{1}{2}$
4	CIRCLE + CIRCLE CONSTRUCTION + CL	5 $\frac{1}{2}$
TOTAL		41



ASSESSMENT CRITERIA			
TOP VIEW			
1	GEAR	6	
2	COLLAR PLATE	$\frac{1}{2}$	
3	M20 NUT + WASHER	$4\frac{1}{2}$	
4	SYMMETRY	1	
SUBTOTAL		12	

PAPER 2 QUESTION 4
GRADE 12
NSC 2019
MARKING GUIDELINES

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