

SENIOR CERTIFICATE EXAMINATION/ NATIONAL SENIOR CERTIFICATE EXAMINATION

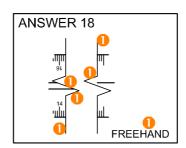
ENGINEERING GRAPHICS AND DESIGN P2

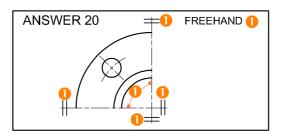
2023

MARKING GUIDELINES

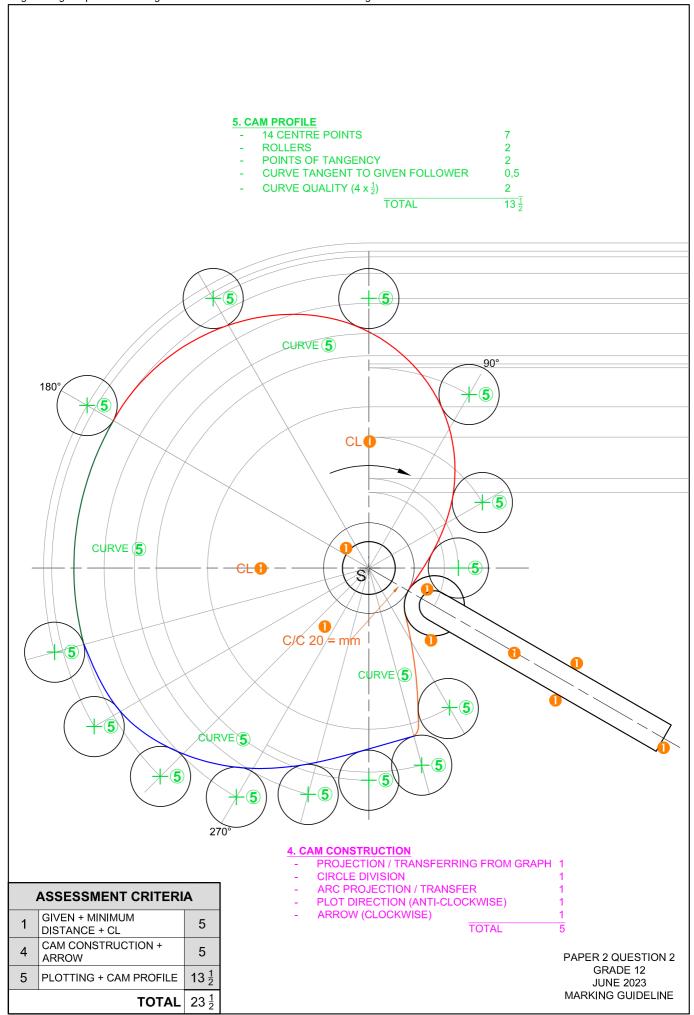
These marking guidelines consist of 7 pages.

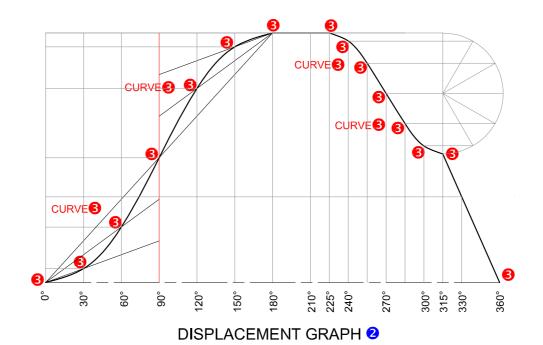
ANSWERS			
1	LISA		
2	DRAWING NUMBER		
3	COMBINATION SQUARE		
4	PRECISION TOOLS		
5	20 °C	1	
6	GLASS	1	
7	3000	1	
8	THIRD ANGLE		
9	SECTIONAL RIGHT VIEW		
10	MULTI PLANE / OFF SET		
11	REVOLVED		
12	REMOVED		
13	C: 17 D: 111 E: 14	3	
14	9	1	
15	DETAIL T	1	
16	KNURLING		
17	103,025 (MAX.) 102,95 (MIN.)		
18	See below		
	L / =	1	
10	G / N7	1	
19	J / HONE	1	
	H/2	1	
20	0 See below		
	TOTAL	30	





PAPER 2 QUESTION 1 GRADE 12 JUNE 2023 MARKING GUIDELINE





2. GRAPH CONSTRUCTION

-	LENGTH (120)	1
-	12 EQUAL DIVISION	1
	TOTAL	2

$\frac{\textbf{2. UNIFORM ACCELERATION + RETARDATION}}{\textbf{CONSTRUCTION}}$

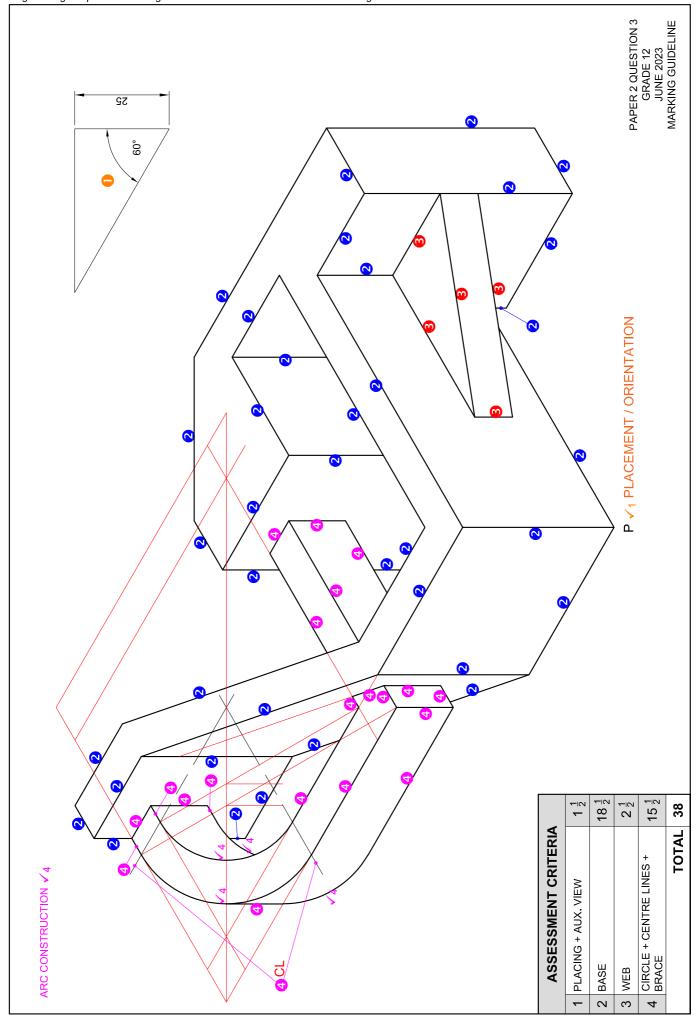
-	VERTICAL DIVISION	0	.5
_	1st HALF	0	.5
-	2nd HALF	0	.5
	TOT	ΓAL 1	- <u>ī</u>

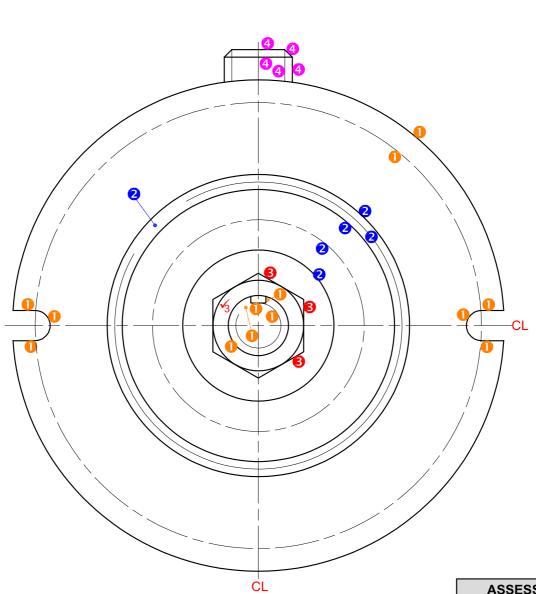
2. SIMPLE HARMONIC MOTION CONSTRUCTION

-	SEMI CIRCLE	0.5
-	CIRCLE DIVISION	0.5
-	ADDITIONAL 15° DIVISIONS	0.5
-	PROJECTION	0.5
	TOTAL	2

ASSESSMENT CRITERIA		
2	GRAPH CONSTRUCTION + LABELS	6
3	PLOTTING GRAPH + GRAPH CURVES	9 <u>1</u>
	TOTAL	$15\frac{1}{5}$

PAPER 2 QUESTION 2 GRADE 12 JUNE 2023 MARKING GUIDELINE





 2. ASSEMBLY 1 MARK FOR EVERY COMPONENT CORRECTLY ASSEMBLED (9 PARTS - 1) = 8

ASSESSMENT CRITERIA			
GENERAL			
1	CENTRE LINES	3	
2	ASSEMBLY	8	
SUBTOTAL		11	

ASSESSMENT CRITERIA			
	RIGHT VIEW		
1	HOUSING + SHAFT	6 ½	
2	BACK PLATE + COMPRESSOR WHEEL	3	
3	M16 NUT	2 ½	
4	OIL LINE FITTING	2 ½	
รเ	JBTOTAL	14 ½	

PAPER 2 QUESTION 4 GRADE 12 2023 MARKING GUIDELINES

