



basic education

Department:
Basic Education
REPUBLIC OF SOUTH AFRICA

**NATIONAL
SENIOR CERTIFICATE**

GRADE 12

ENGINEERING GRAPHICS AND DESIGN P2

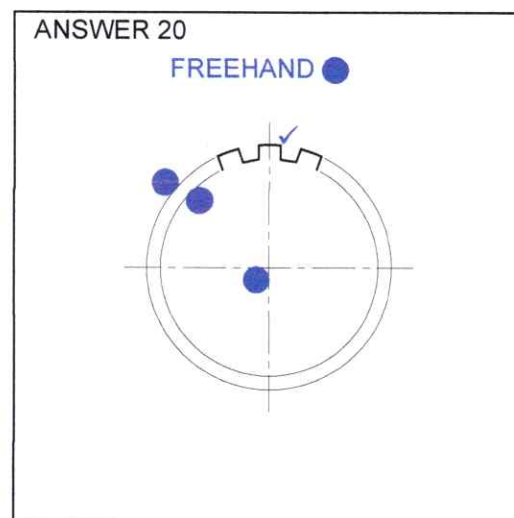
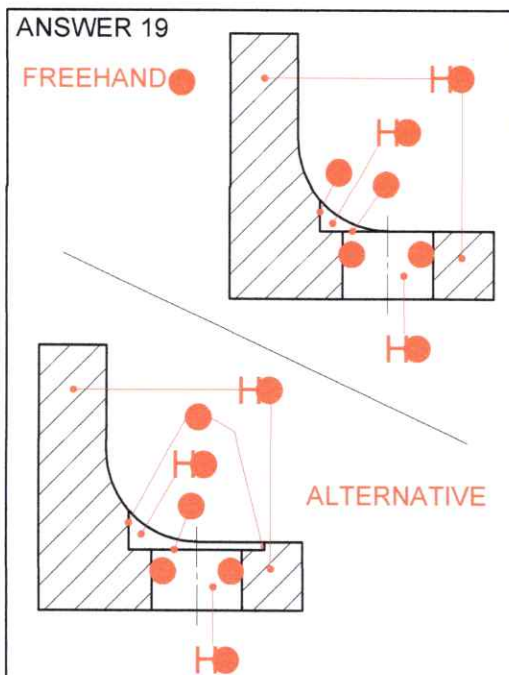
NOVEMBER 2025

MARKING GUIDELINES

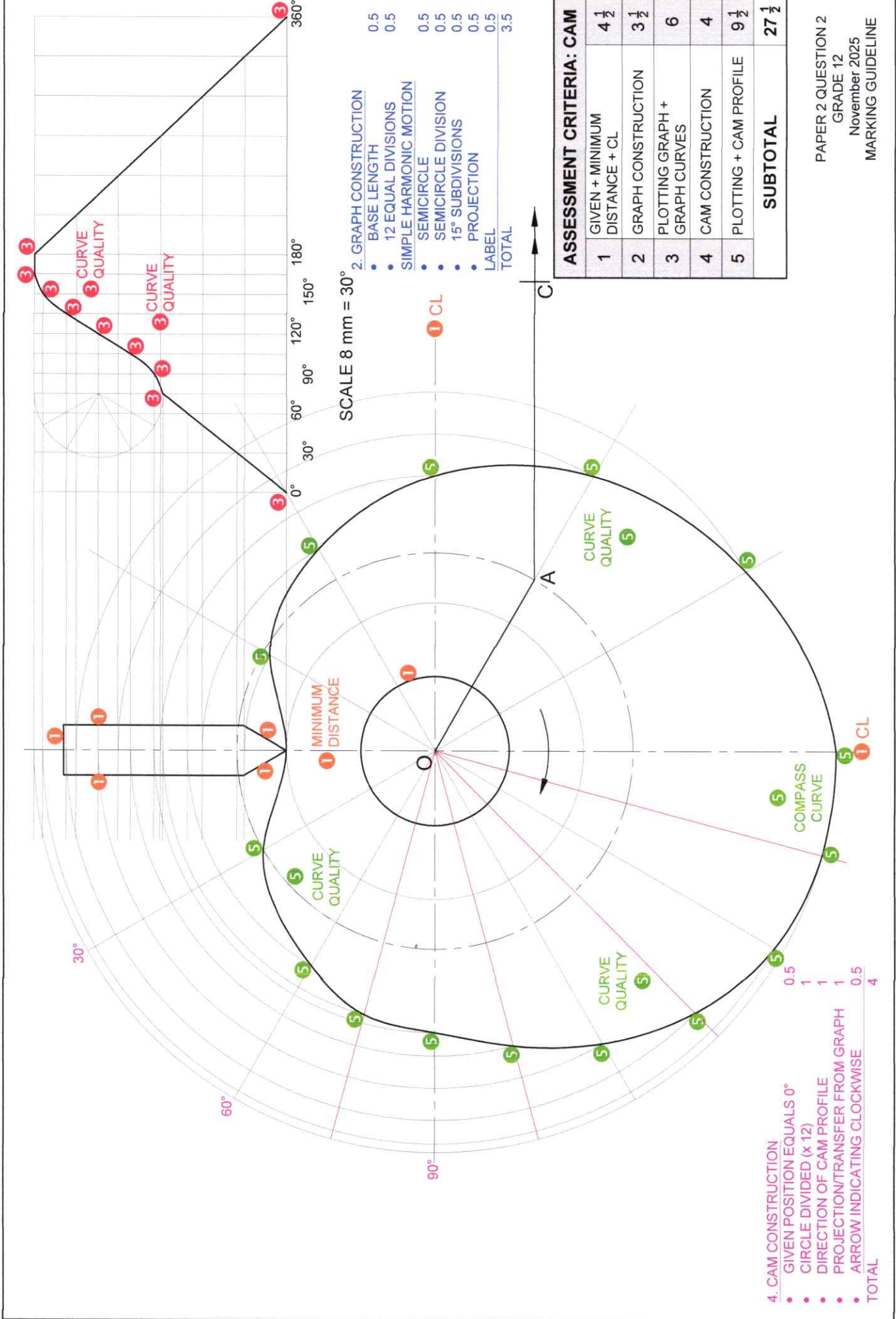
MARKS: 100

These marking guidelines consist of 7 pages.

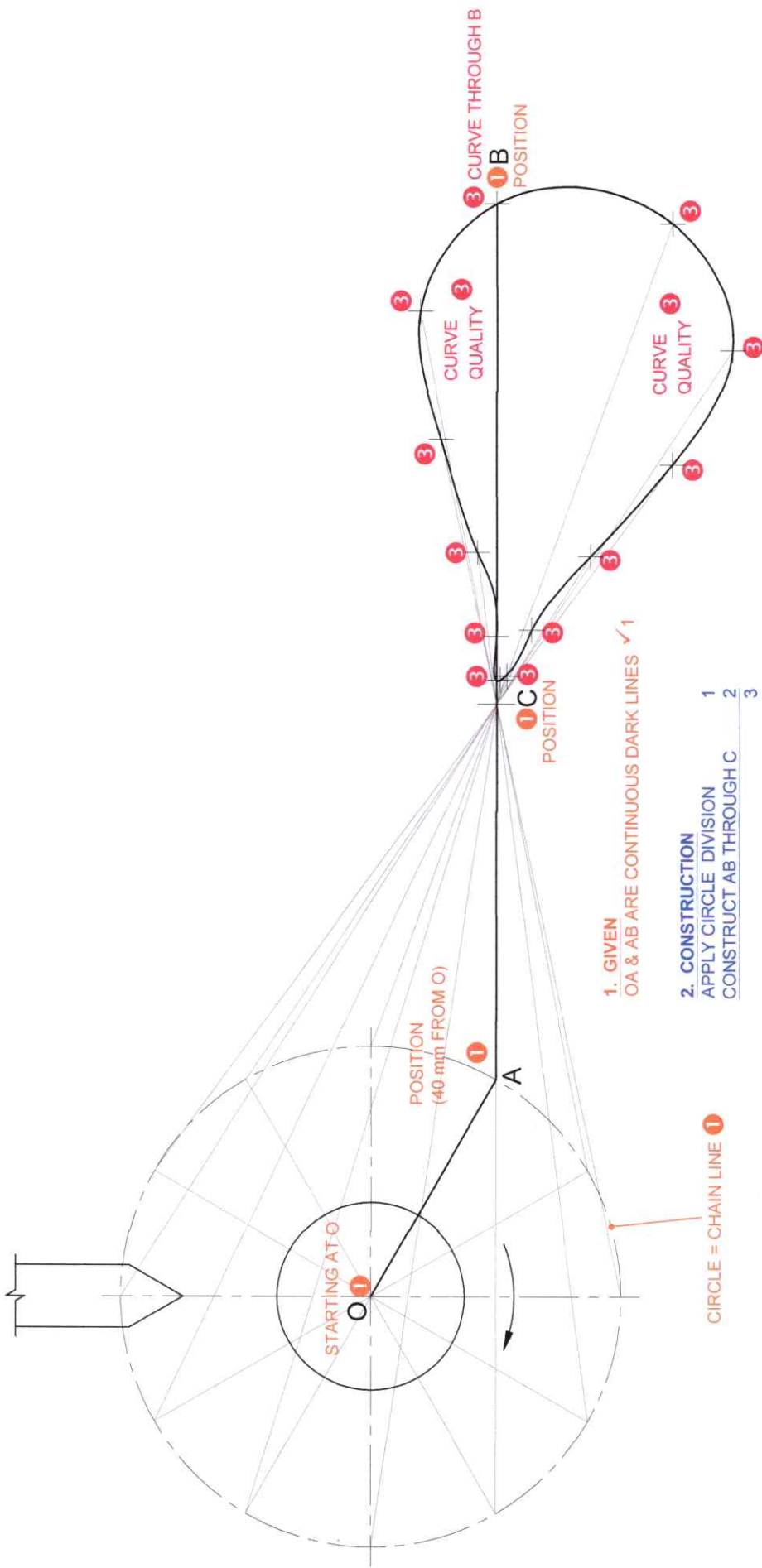
ANSWERS		
1	JJ-14213	1
2	THOMAS	1
3	CUSTOM CONTAINERS	1
4	AUTOCAD 2024	1
5	www.prodraw.co.za	1
6	THIRD-ANGLE ORTHOGRAPHIC PROJECTION	1
7	150	1
8	RIGHT VIEW	1
9	PARTIAL	1
10	REVOLVED	1
11	ACROSS FLATS	1
12	3	1
13	6°	1
14	F: 28 G: M10 H: 31 J: M6	4
15	MAX - 14.35	1
	MIN - 13.75	1
16	24	1
17	NO MACHINING	1
18	b: <u>PRODUCTION METHOD / TREATMENT / COATING / FINISH</u>	1
	d: <u>DIRECTION OF LAY</u>	1
19	<i>See below</i>	4
20		3
TOTAL		30



PAPER 2 QUESTION 1
 GRADE 12
 November 2025
 MARKING GUIDELINE



PAPER 2 QUESTION 2
 GRADE 12
 November 2025
 MARKING GUIDELINE



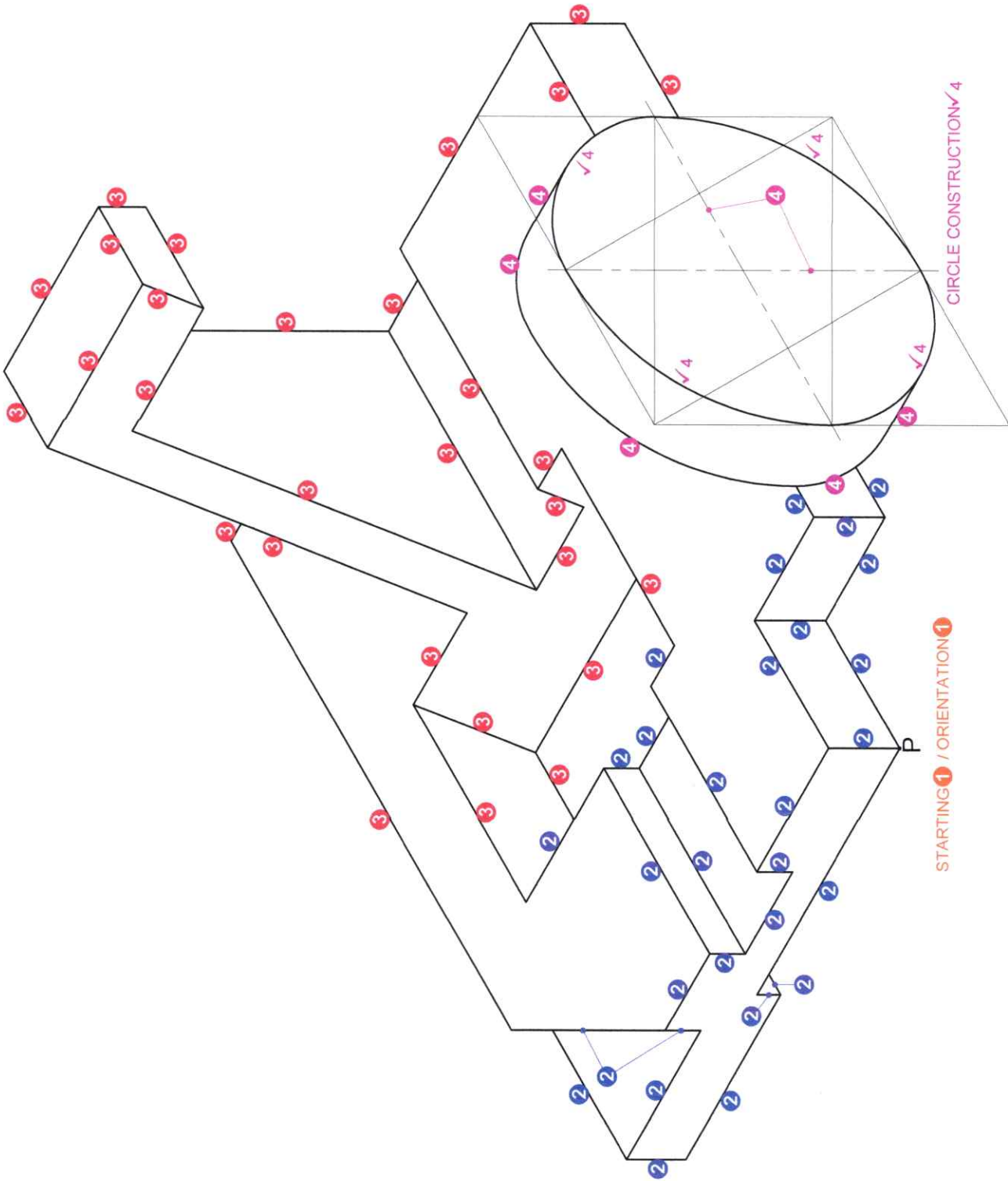
ASSESSMENT CRITERIA: MECHANISM

1	GIVEN	3 ½
2	CONSTRUCTION	3
3	POINTS + CURVE	7
SUBTOTAL		13 ½

PAPER 2 QUESTION 2
 GRADE 12
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 MARKING GUIDELINE

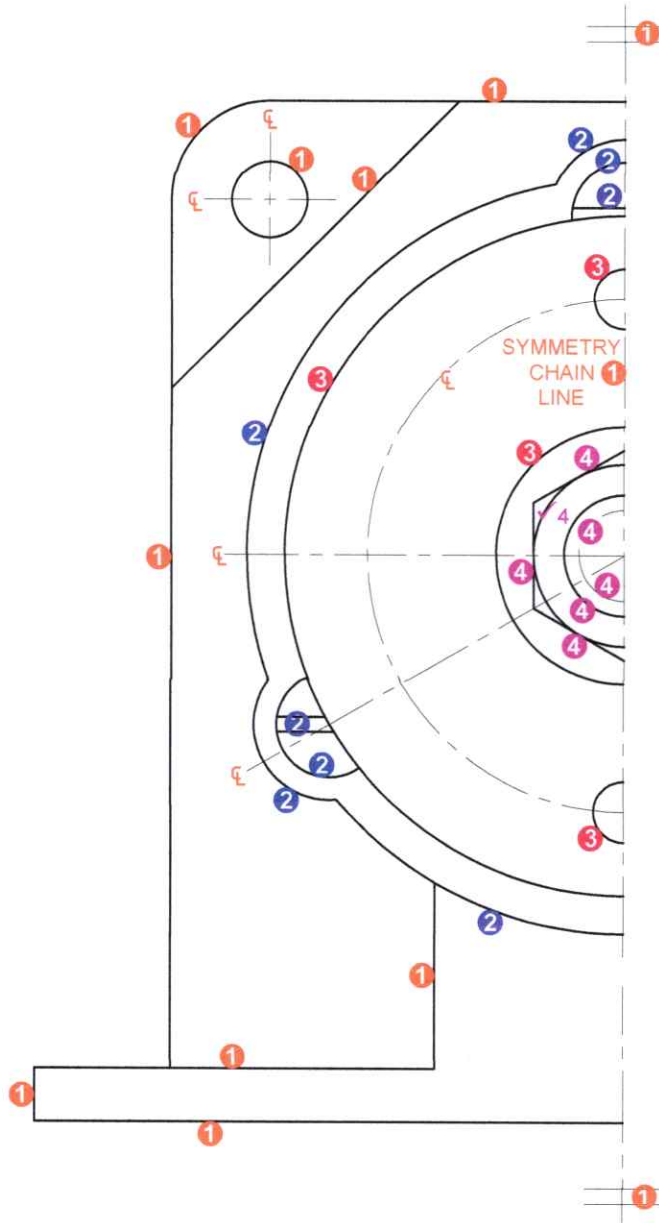
ASSESSMENT CRITERIA	
1	PLACING + AUX. VIEW
2	FRONT PORTION
3	BACK PORTION
4	CIRCLES + CONSTR. + CL
TOTAL	

PAPER 2 QUESTION 3
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CIRCLE CONSTRUCTION ✓ 4

STARTING 1 / ORIENTATION 1



1. CENTRE LINES (CL)
 SANS COMPLIANT
 CENTRE LINES (1 - 3 = 0,5; 4 - 5 = 1; 6 - 7 = 1,5; 8 - 9 = 2) $\frac{1}{2}$
 $\frac{2}{3}$

ASSESSMENT CRITERIA		
RIGHT VIEW		
1	HOUSING + SYMMETRY	6
2	COVER + SCREWS	4
3	FLANGE COUPLING	2
4	M16 NUT + SHAFT	4
SUBTOTAL		16

PAPER 2 QUESTION 4
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