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EASTERN CAPE EDUCATION DEPARTMENT
OOS-KAAP ONDERWYSDEPARTEMENT**

**NATIONAL
SENIOR CERTIFICATE**

GRADE 11

ENGINEERING GRAPHICS AND DESIGN P2

NOVEMBER 2015

MEMORANDUM

MARKS: 200

TIME: 3 hours

This memorandum consists of 7 pages.

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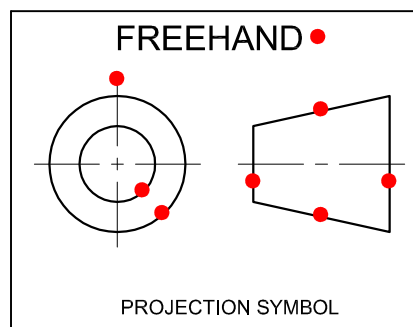


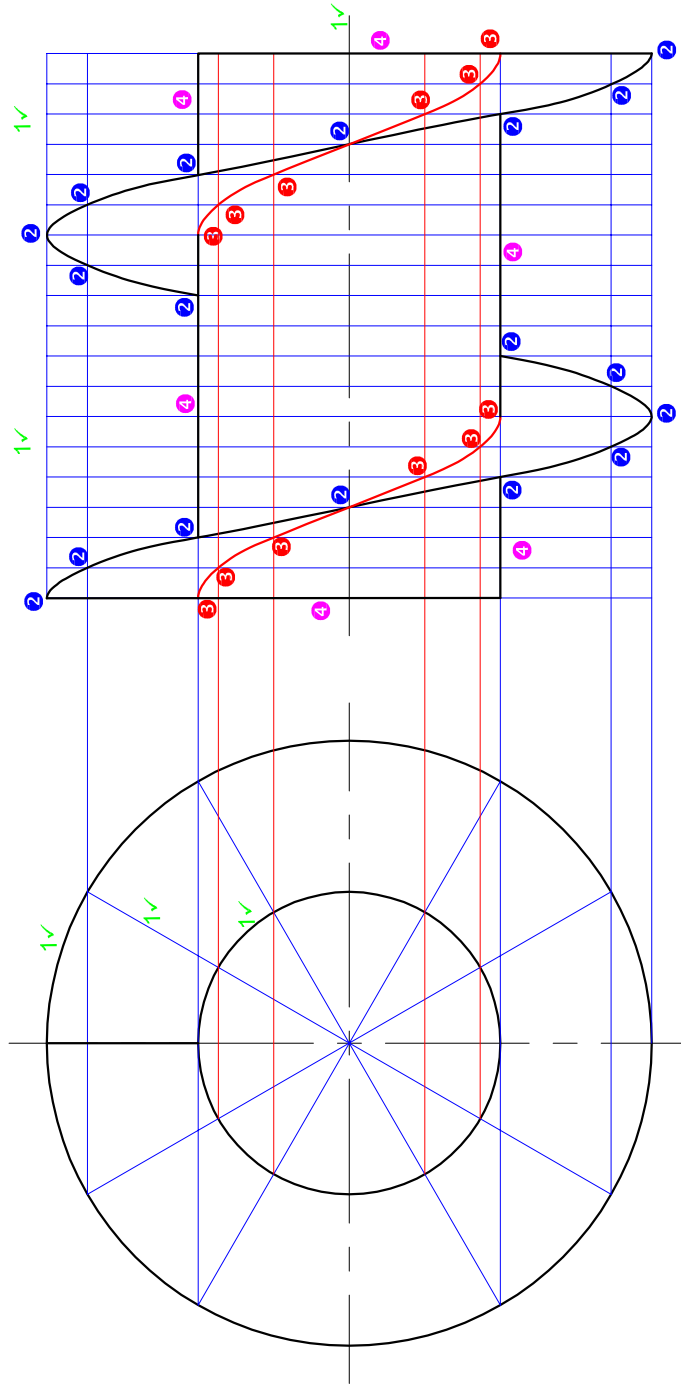


ANSWERS

1	PETER	1
2	mm	1
3	CAD / AUTOCAD 2015	1
4	www.precision.co.za	1
5	2	1
6	0,35	1
7	S'FACE	1
8	R5	1
9	30	1
10	R6	1
11	Ø40	1
12	INSERT KEYWAY	1
13	TO SECURE MOMENTUM BETWEEN SHAFT AND DISC	2
14	ALIGNED SECTION	1
15	REMOVED SECTION	1
16	PITCH CIRCLE DIAMETER	1
17	4	1
18		4
	TOTAL	22

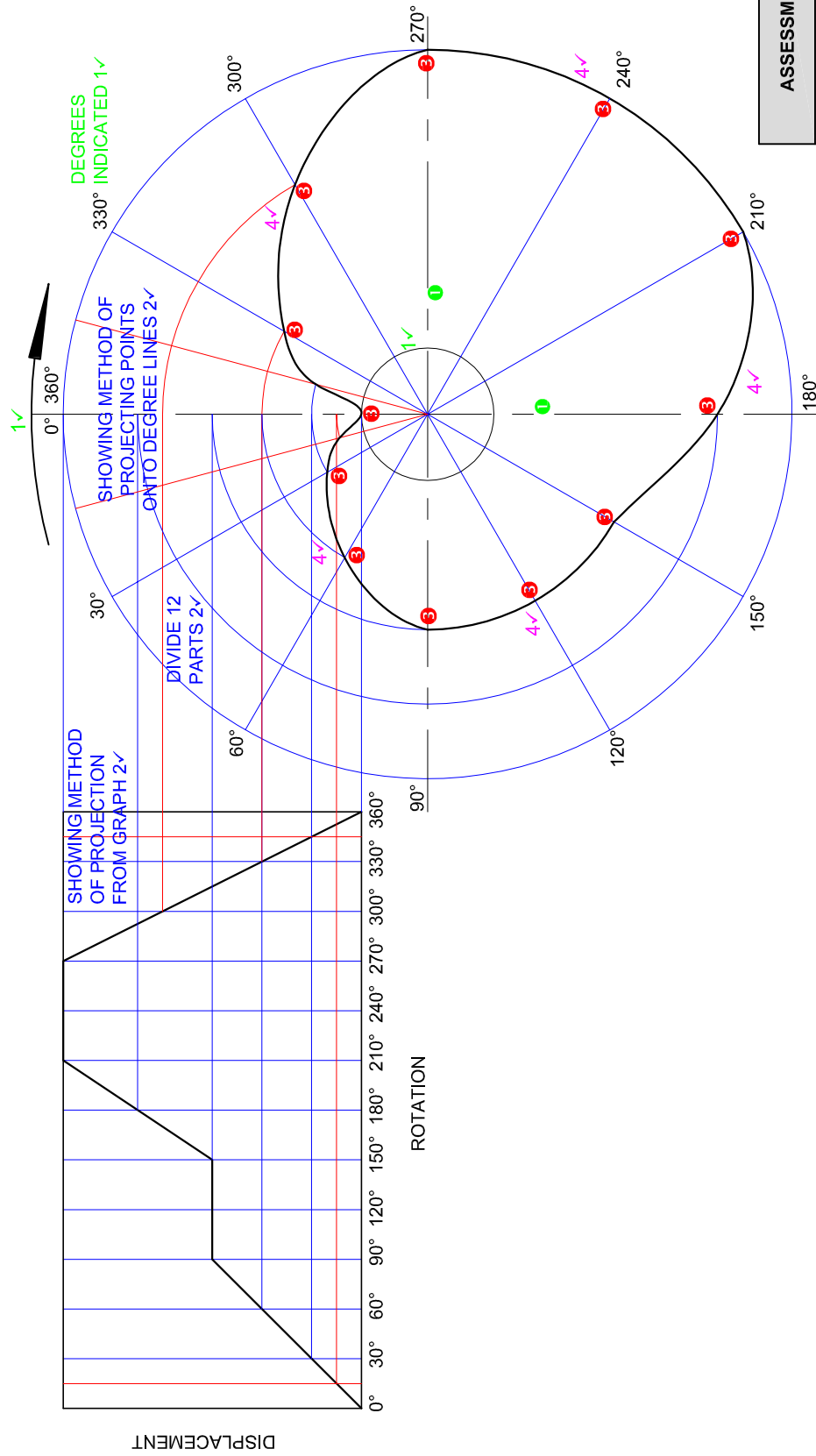
ANSWER 18





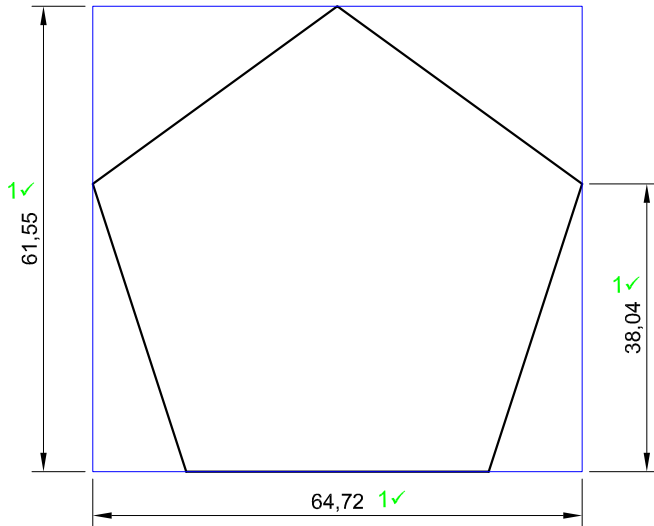
ASSESSMENT CRITERIA	
1 COPY + CONSTR' + DIRECTION + CL	6
2 OUTSIDE HELIX	9
3 INSIDE HELIX	6
4 SHAFT + ENDS	3
SUB TOTAL	24

PAPER 2 QUESTION 2.1
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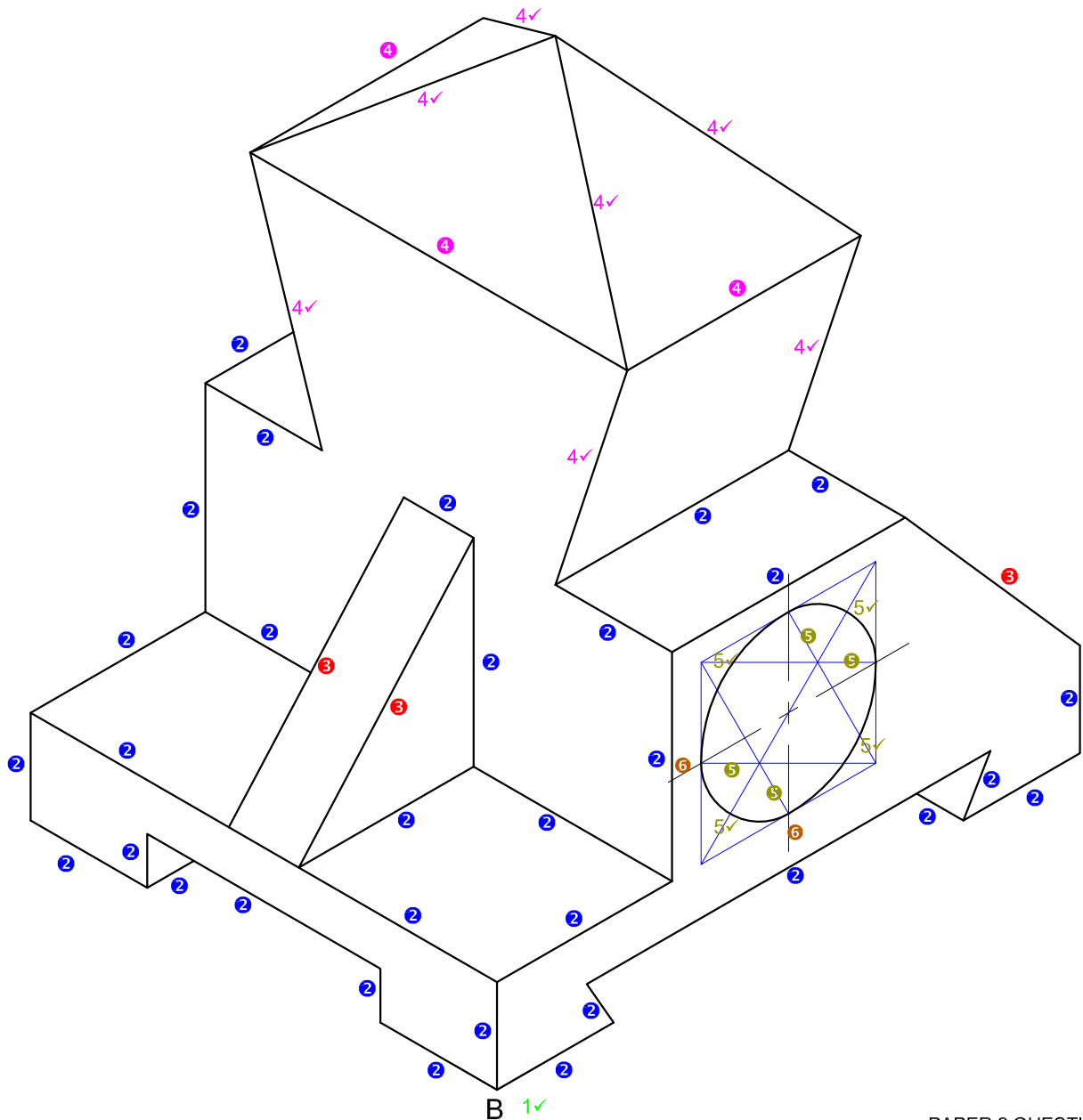


ASSESSMENT CRITERIA	
1	ARROW + MIN RADIUS + DEGREE + CL
2	CONSTRUCTION
3	CAM POINTS
4	CURVE + QUALITY
SUB TOTAL	
TOTAL	

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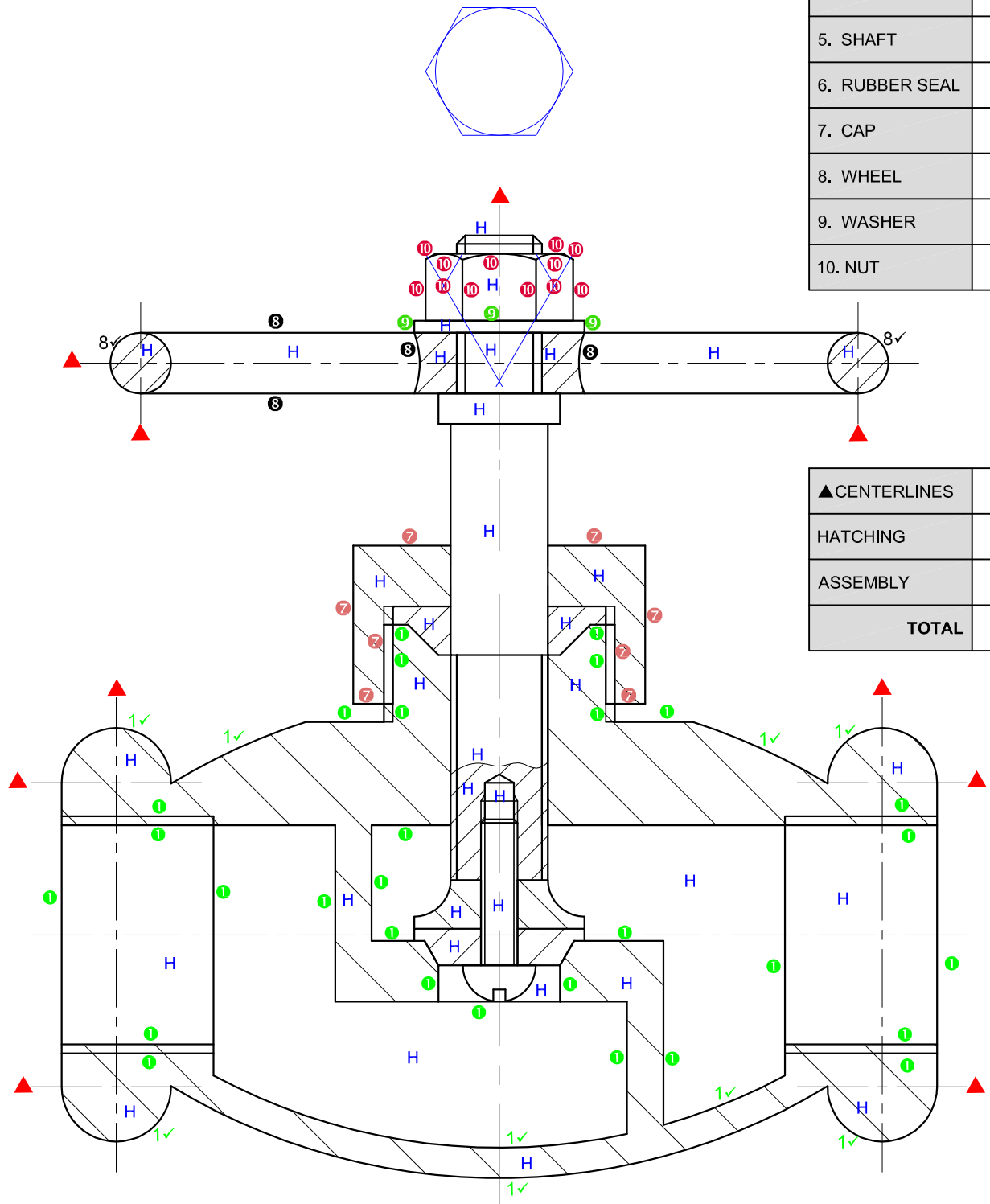
ASSESSMENT CRITERIA	
1. AUX. VIEW + PLACING	5
2. BASE + ISO' LINES	16
3. WEB	1½
4. PENTAGON	8½
5. ISOMETRIC CIRCLES	6
6. CENTRE LINES	1
TOTAL	38



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ASSESSMENT CRITERIA	
SECTIONAL FRONT VIEW	
1. HOUSING	24
2. SCREW	6½
3. RUBBER SEAL	3
4. SUPPORT	3
5. SHAFT	11
6. RUBBER SEAL	3
7. CAP	4
8. WHEEL	4
9. WASHER	1½
10. NUT	6



▲ CENTERLINES	5
HATCHING	18
ASSEMBLY	9
TOTAL	98

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