

**ENGINEERING
GRAPHICS AND
DESIGN**

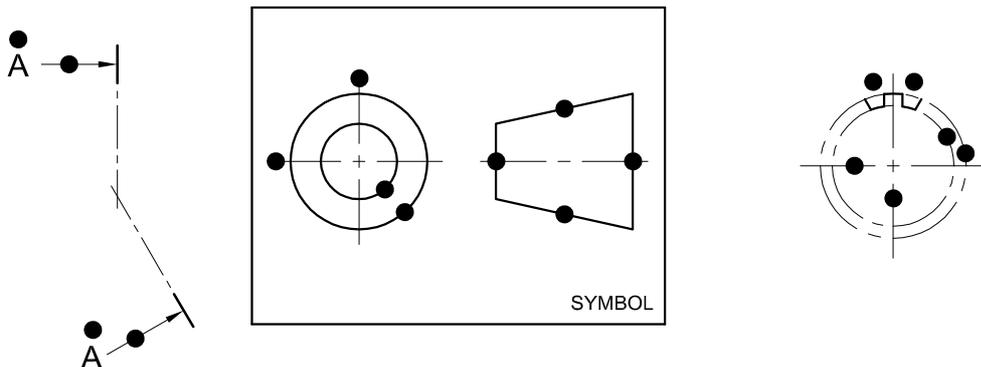
**GRADE 12
PAPER 2
FEBRUARY
MARCH
2009**

MEMORANDUM

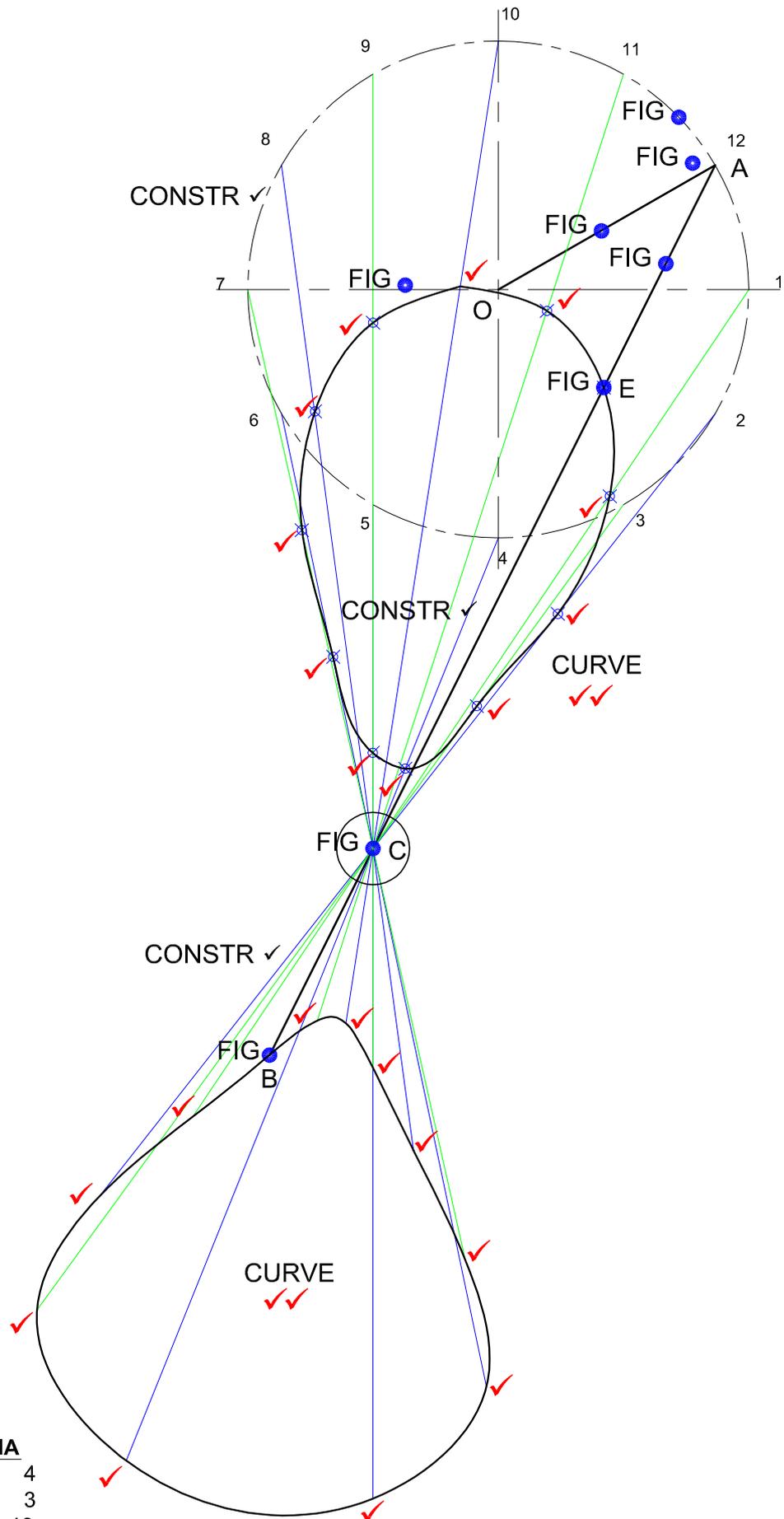


ANSWERS		
1	20-02-08	1
2	CAST IRON	1
3	S8/ED/01	1
4	1	1
5	GOODWOOD	1
6	$\pm 0,25$	1
7	6	1
8	FILLET	1
9	SPLINE	1
10	RIB/WEB	1
11	THREADED HOLE	1
12	CENTRE LINE	1
13	WELDING SYMBOL	1
14	ALIGNED SECTION	2
15	P 96, Q 56, R 30	3
16	150°	1
17	THIRD-ANGLE ORTHOGRAPHIC	1
18		2
19		4
20		3

TOTAL 29



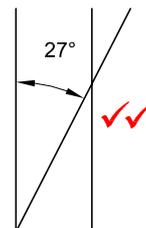
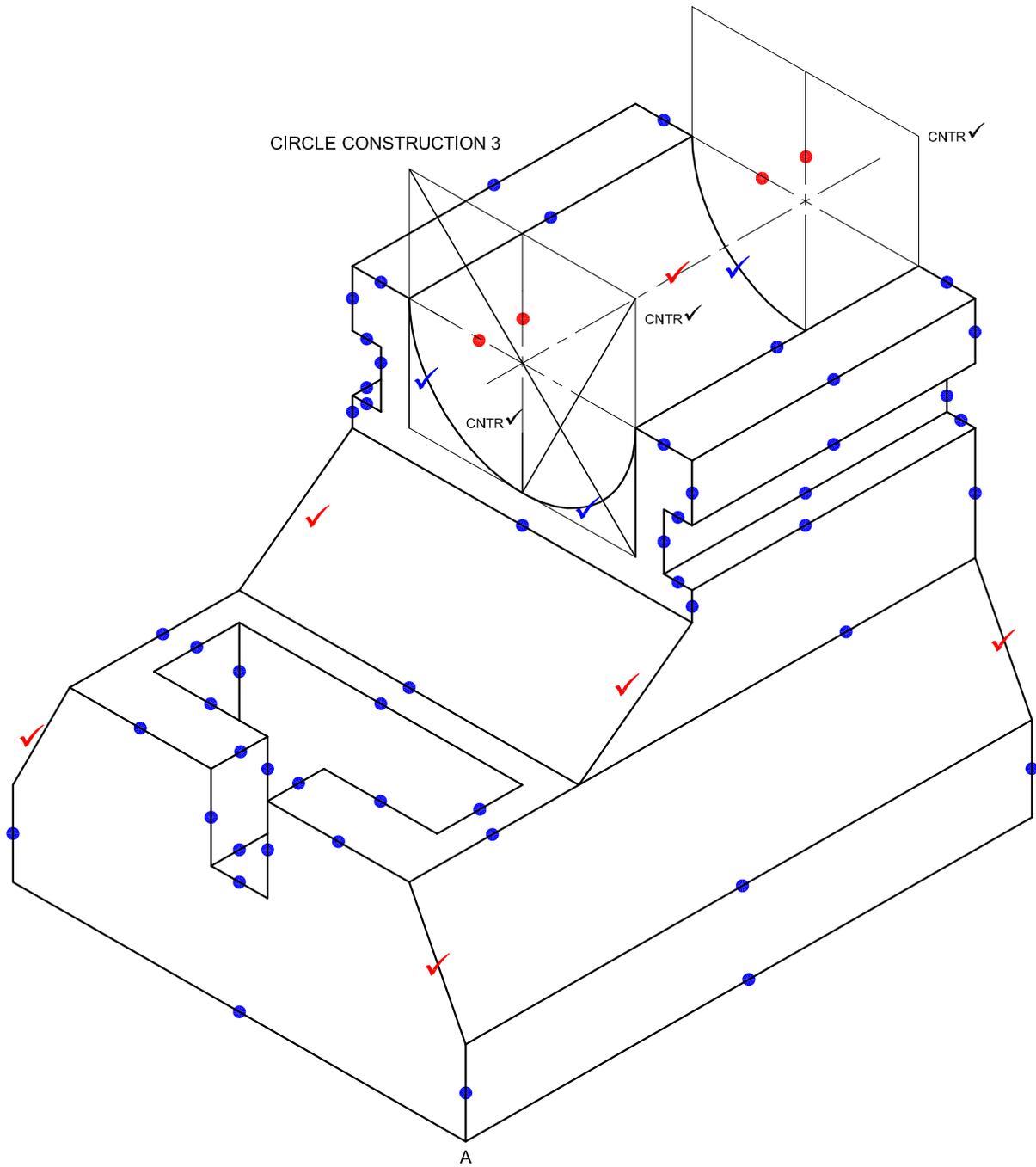
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ASSESSMENT CRITERIA

GIVEN FIGURE	4
CONSTRUCTION	3
LOCUS B	13
LOCUS E	13
TOTAL	33

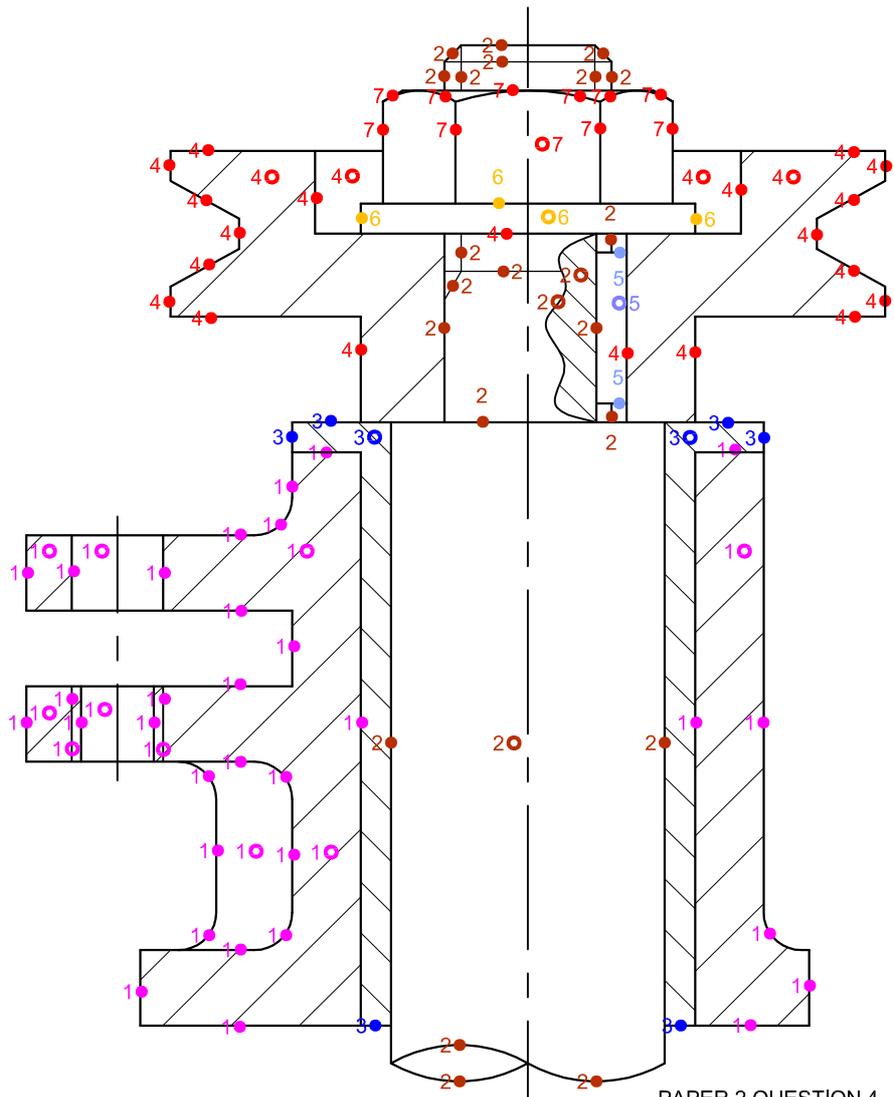
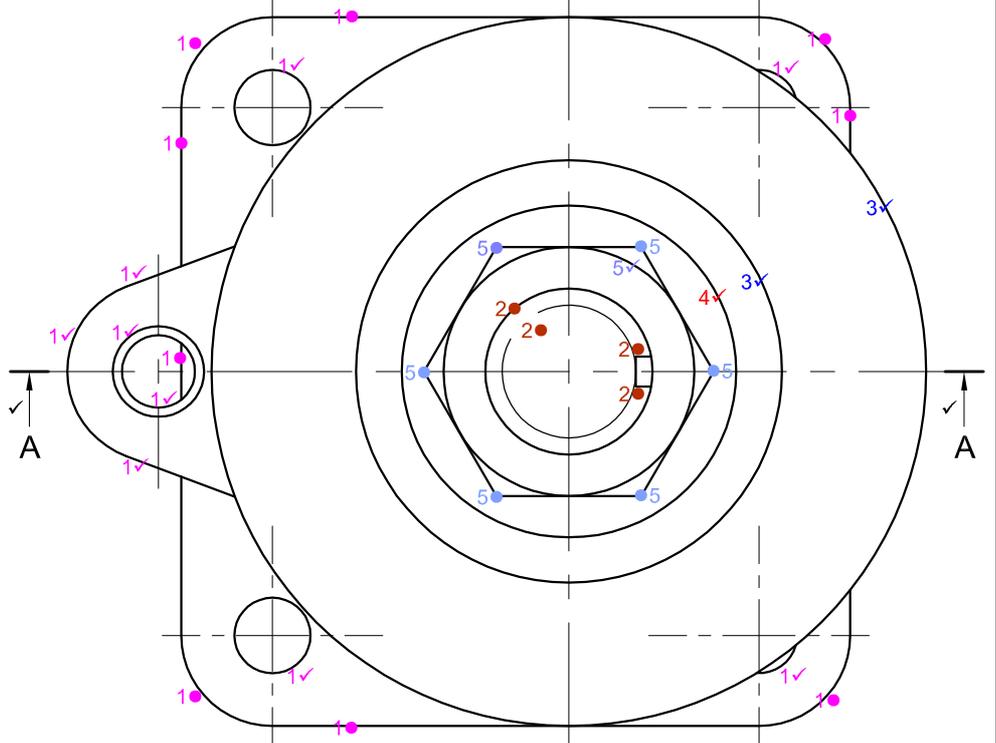
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ASSESSMENT CRITERIA

AUXILIARY VIEW	=	2
ISOMETRIC LINES	=	26
NON-ISOMETRIC LINES	=	5
ISOMETRIC CIRCLES	=	3
CIRCLE CONSTRUCTION	=	3
CENTRE LINES	=	3
PLACING ON A	=	1
TOTAL	=	43

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ASSESSMENT CRITERIA			
FRONT VIEW	F	S	T
1. SUPPORT BRACKET	16	5	21
2. SHAFT	10 1/2	1 1/2	12
3. BUSH	3	1	4
4. PULLEY	10	2	12
5. KEY	1	1/2	1 1/2
6. WASHER	1 1/2	1/2	2
7. M44 NUT	5	1/2	5 1/2
TOP VIEW	F	S	T
1. SUPPORT BRACKET	13 1/2		13 1/2
2. SHAFT	2		2
3. PULLEY	2		2
4. WASHER	1		1
5. M44 NUT	4		4
6. CUTTING PLANE A A	2		2
CENTRE LINES			6 1/2
ASSEMBLY			6
TOTAL			95

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