

ENGINEERING GRAPHICS AND
DESIGN

PAPER 2

MEMORANDUM

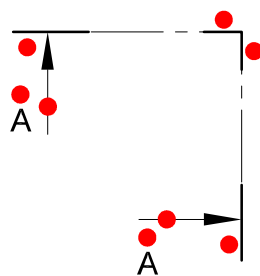
GR 11

NOVEMBER 2013

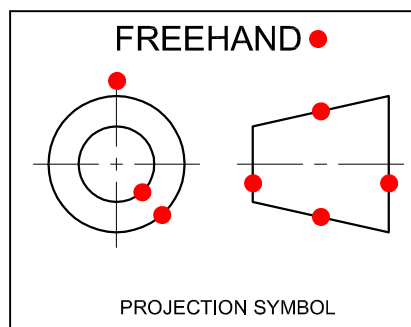


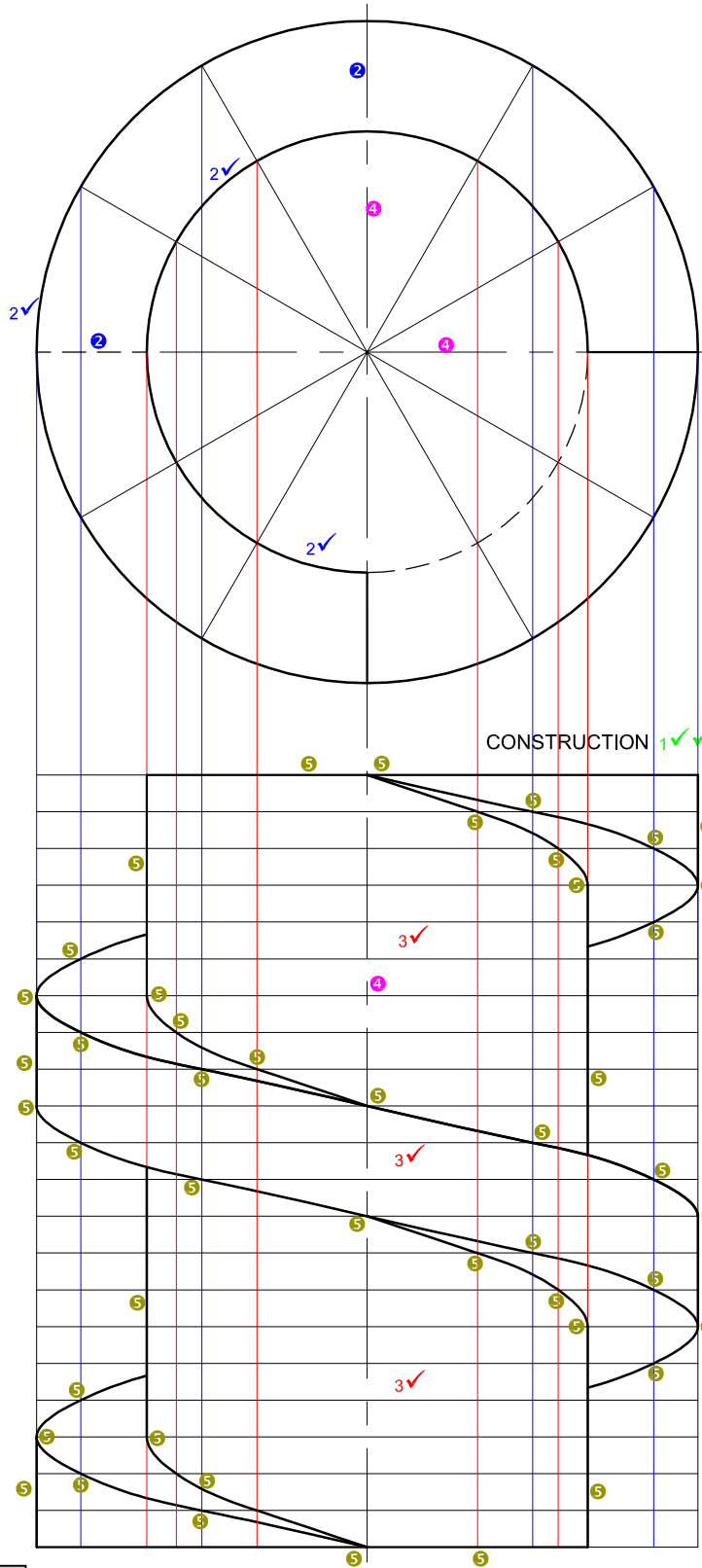
ANSWERS		
1	30/11/2012	1
2	CAST IRON	1
3	CAD	1
4	1:2	1
5	± 0,35	1
6	PITCH CENTER DIAMETER	2
7	120°	2
8	11.2	2
9	S-BREAK	1
10	THE ARROWS INDICATE THAT THE TOTAL LENGTH OF THE SHAFT IS 150MM ALTHOUGH A SHORTER SECTION WAS DRAWN	2
11	PART SECTION	1
12	HALF-SECTION	1
13	12	1
14	TO ENSURE THAT ROTATION OF THE SHAFT IS PROJECTED TO THE OTHER PART WITHOUT SLIPPING	2
15	NO, KEY IS STILL DRAWN ON THE SHAFT.	1
16		4
17		4
	TOTAL	28

ANSWER 16



ANSWER 17





DIVIDE 12 PARTS
1✓✓

CONSTRUCTION 1✓✓

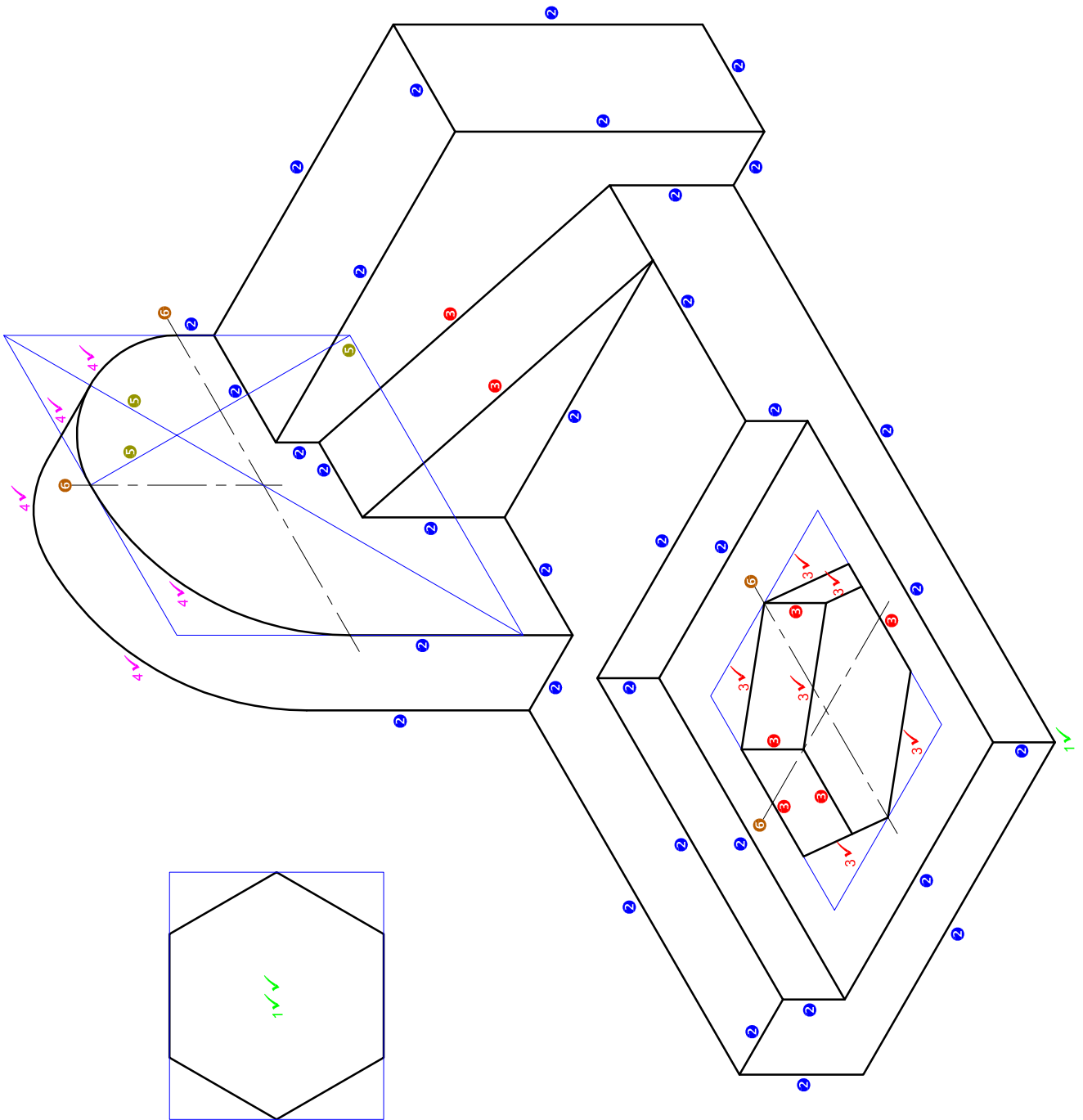
1✓✓
DIVIDE 12/18 PARTS
CONSTRUCTION OR
CALCULATION MUST
BE SHOWN

ASSESSMENT CRITERIA	
1. CONSTRUCTION	6
2. TOP VIEW	4
3. DIRECTION	3
4. CENTRE LINES	1½
5. HELIX	23½
TOTAL	38

PAPER 2 QUESTION 2
GRADE 11
NOVEMBER 2013
MEMORANDUM



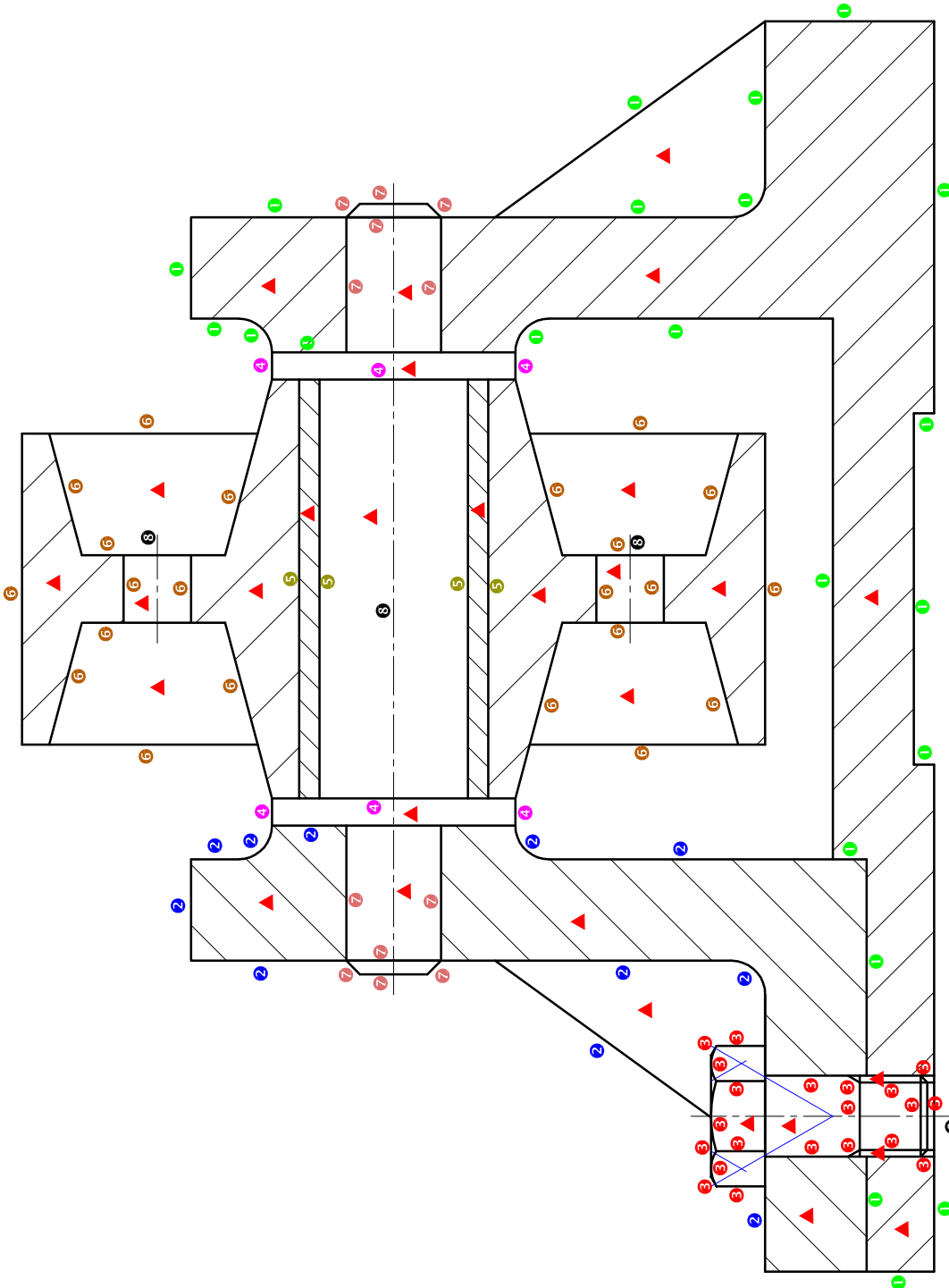
ASSESSMENT CRITERIA	
1. AUX. VIEW + PLACING	3
2. ISOMETRIC LINES	17
3. NON-ISOMETRIC LINES	9½
4. ISOMETRIC CIRCLES	5
5. CIRCLE CONSTRUCTION	1½
6. CENTRE LINES	2
TOTAL	38



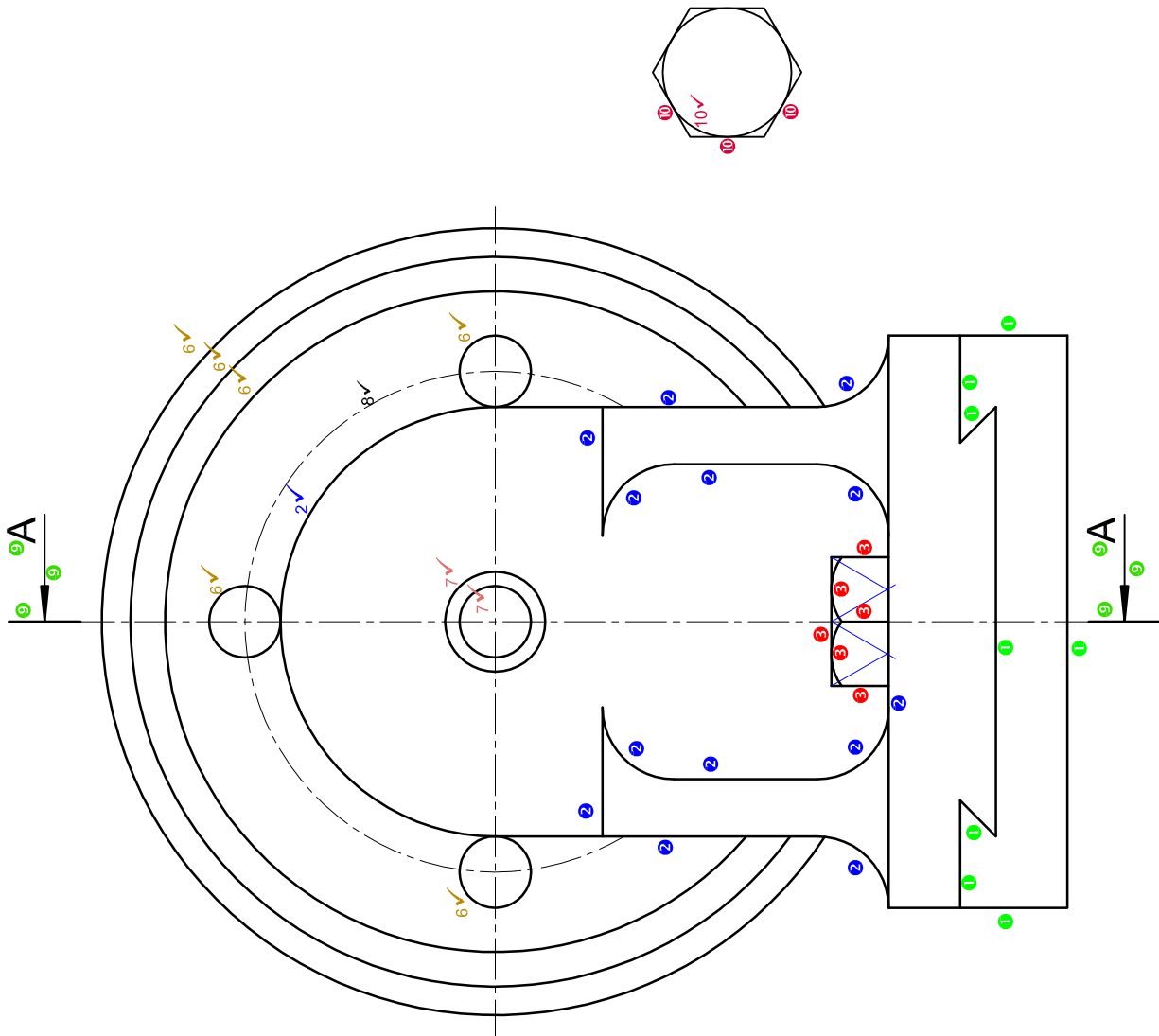
PAPER 2 QUESTION 3
 GRADE 11
 NOVEMBER 2013
 MEMORANDUM



ASSESSMENT CRITERIA	
SECTIONAL FRONT VIEW	
1. BASE	11
2. BRACKET	5½
3. BOLT	10½
4. WASHER	3
5. BUSH	2
6. PULLEY	11
7. SHAFT	6
8. CENTERLINES	2
LABEL	1
HATCHING	15
SUBTOTAL	67



SECTION AA



ASSESSMENT CRITERIA	
LEFT VIEW	
1. BASE	4
2. BRACKET	7½
3. BOLT	3
4. WASHER	
5. BUSH	
6. PULLEY	6
7. SHAFT	2
8. CENTERLINE	1
9. SECTION AA	3
10. AUX VIEW	2½
SUBTOTAL	29
TOTAL	96