GAUTENG PROVINCE
EDUCATION
REPUBLIC OF SOUTH AFRICA

# GAUTENG PAPER 2

# ENGINEERING GRAPHICS AND DESIGN P2

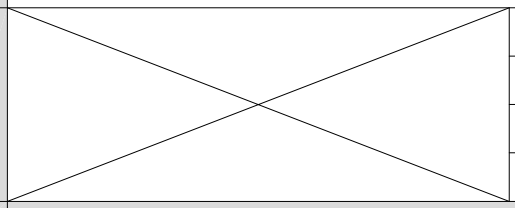
## JUNE 2024

## MARKING GUIDELINES

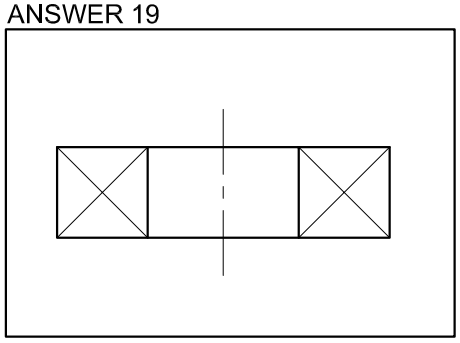
**MARKS: 100**

**These marking guidelines consist of 6 pages.**

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| ANSWERS | | | |
|---|---|---|---|
| 1 | J24/62.LC | | 1 |
| 2 | 600 | | 1 |
| 3 | www.hooks@web.co.za | | 1 |
| 4 | 12 | | 1 |
| 5 | NONE | | 1 |
| 6 | CAD | | 1 |
| 7 | 1 : 3 | | 1 |
| 8 | KAREL | | 1 |
| 9 | INSERT BALL BEARING | | 1 |
| 10 | A: 108 ✓ B: 14 ✓ C: 160 ✓ D: 36 x 0,1 = 3,6 ✓✓ | | 5 |
| 11 | **120°** | | 1 |
| 12 | BOTTOM VIEW | | 1 |
| 13 | Ø36 + ✓0,21 = Ø36,✓21 | | 2 |
| 14 | Ø88 - ✓0,08 = Ø87,✓92 | | 2 |
| 15 | 8 | | 1 |
| 16 | REVOLVED | | 1 |
| 17 | REMOVED | | 1 |
| 18 |  | D | 1 |
| | | J | 1 |
| | | G | 1 |
| | | A | 1 |
| 19 | *SEE BELOW* | | 3 |
| | | **TOTAL** | **30** |

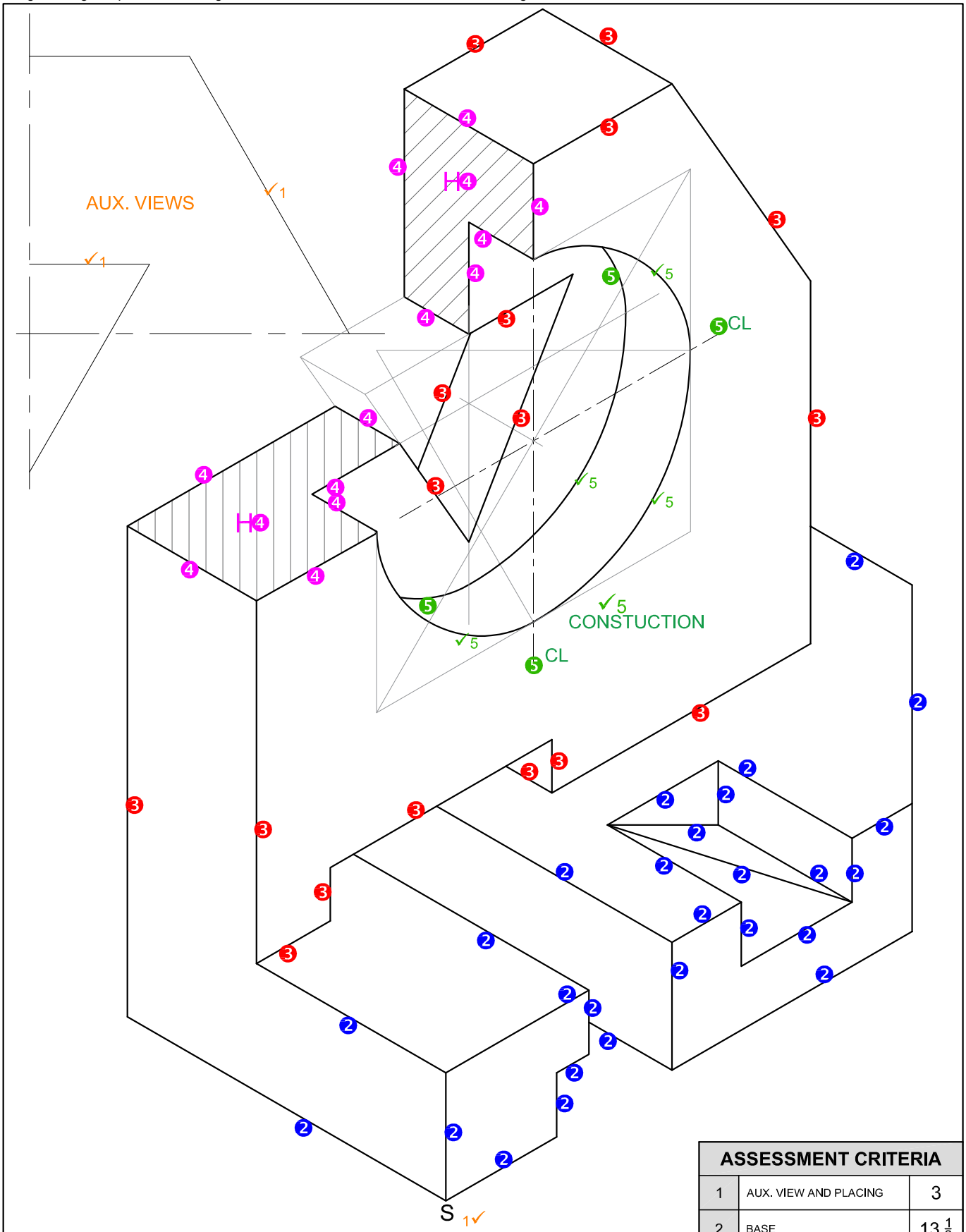
ANSWER 19



| | |
|---|---|
| COMPLETE RECTANGLE | 0.5 |
| 2 x SQUARES | 0.5 + 0.5 |
| 2 x CROSSES | 0.5 + 0.5 |
| FREEHAND | 0.5 |
| | 3 |

PAPER 2 QUESTION 1
GRADE 12
JUNE 2024
MARKING GUIDELINE

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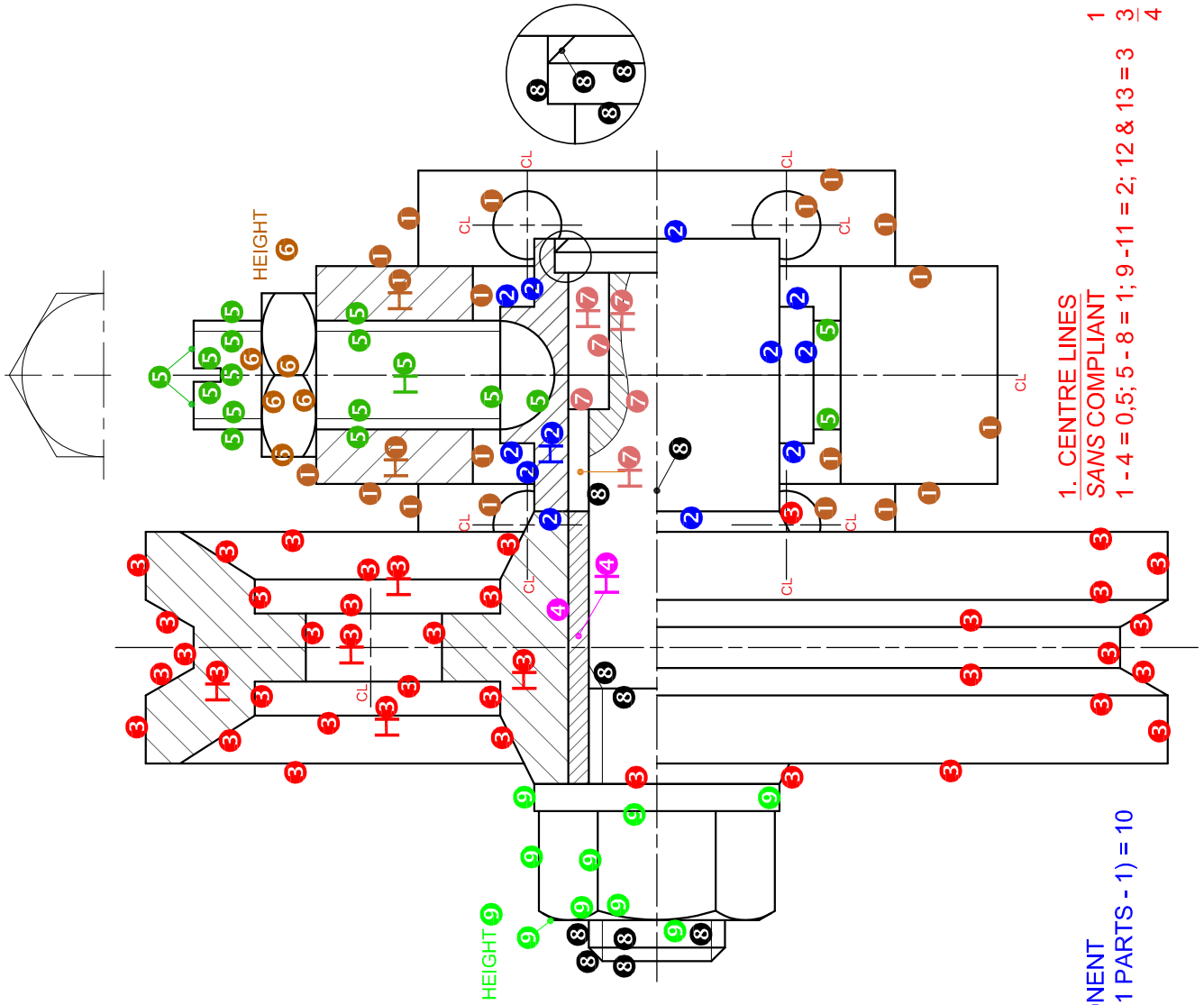



PAPER 2 QUESTION 2
GRADE 12
JUNIE 2024
MARKING GUIDELINE

| ASSESSMENT CRITERIA | | |
|---|---|---|
| 1 | AUX. VIEW AND PLACING | 3 |
| 2 | BASE | 13 ½ |
| 3 | UPRIGHT | 8 ½ |
| 4 | SECTION AND HATCHING | 7 |
| 5 | ISOMETRIC CIRCLES AND CENTRE LINES | 7 |
| PENALTIES (-) | | |
| **TOTAL** | | 39 |

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| ASSESSMENT CRITERIA | | |
|---|---|---|
| HALF SECTIONAL FRONT VIEW | | |
| 1 | SWIVEL ARM | 10 |
| 2 | COUPLING | 6 |
| 3 | PULLEY | 20 |
| 4 | BUSH | 1 |
| 5 | GRUB SCREW AND SPACER | 8 1/2 |
| 6 | M16 LOCK NUT | 3 |
| 7 | KEY | 3 |
| 8 | M20 BOLT | 6 1/2 |
| 10 | M20 NUT AND WASHER | 5 |
| | SUBTOTAL | 63 |



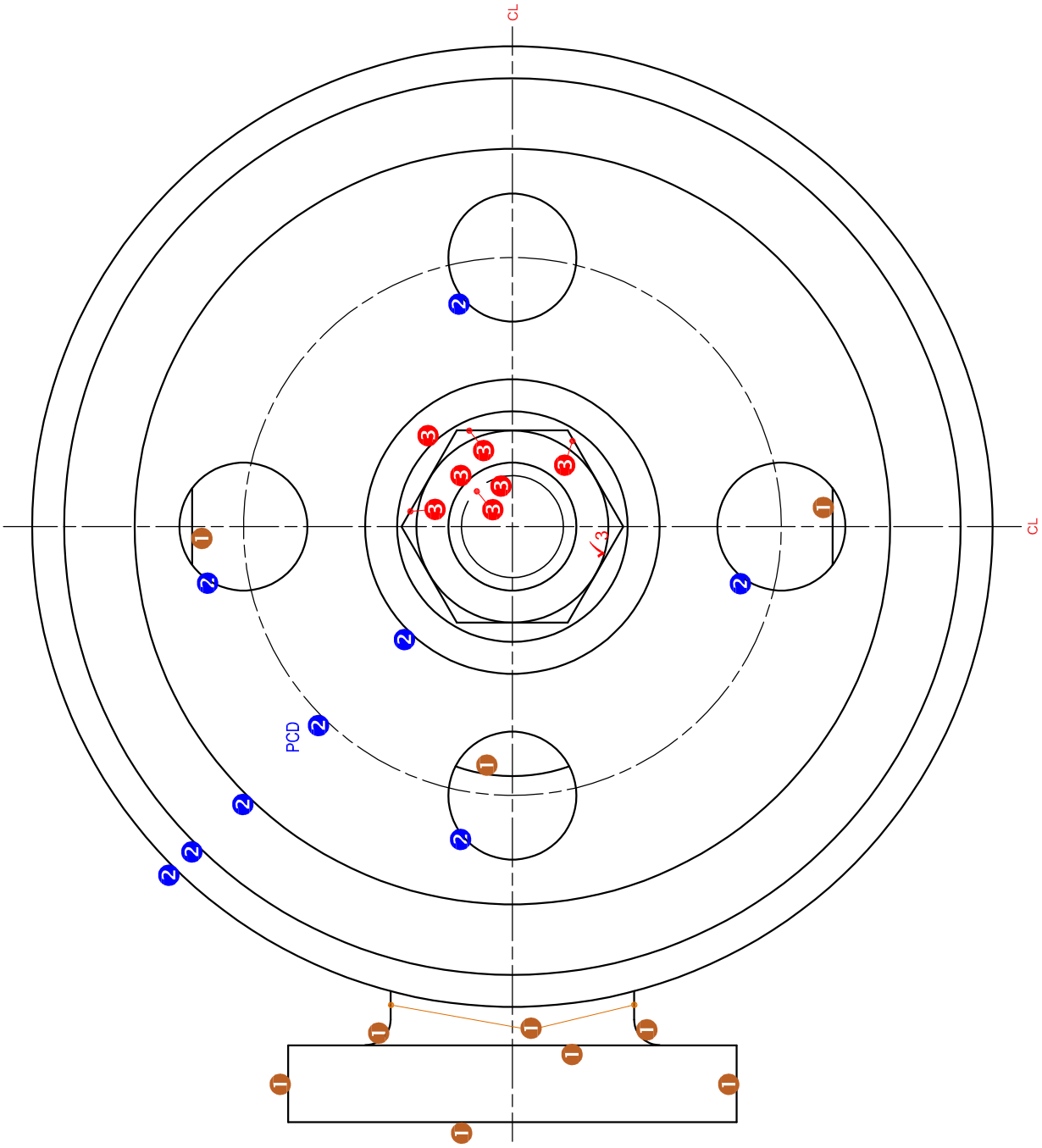

1. CENTRE LINES 1
SANS COMPLIANT
1 - 4 = 0,5; 5 - 8 = 1; 9 -11 = 2; 12 & 13 = 3 3/4

2. ASSEMBLY
1 MARK FOR EVERY COMPONENT
CORRECTLY ASSEMBLED (11 PARTS - 1) = 10

PAPER 2 QUESTION 3
GRADE 12
JUNIE 2024
MARKING GUIDELINE

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| ASSESSMENT CRITERIA | | | |
|---|---|---|---|
| LEFT VIEW | | | 5 |
| | 1 | SWIVEL ARM | 4½ |
| | 2 | PULLEY | 4½ |
| | 3 | M20 NUT, BOLT AND WASHER | 4½ |
| | | SUBTOTAL | 14 |
| GENERAL | | | 4 |
| | 1 | CENTRE LINES | 10 |
| | 2 | ASSEMBLY | 14 |
| | | SUBTOTAL | 91 |
| | | TOTAL | |




PAPER 2 QUESTION 3
GRADE 12
JUNIE 2024
MARKING GUIDELINE

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