

Document no.	ACAD-FO-002b (5)
Revision no.	002



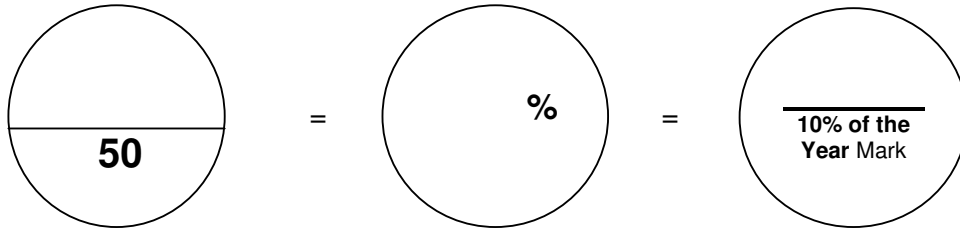
ASSESSMENT COVER PAGE : TEST 2 CORE

SUBJECT: ENGINEERING GRAPHICS AND DESIGN
 FOCUS GROUP EXAMINER: Y.F.S. le Roux
 COLLEGE MODERATOR: G.P. Coetzee

LEVEL: 3 DATE: JUNE 2018
 FOCUS GROUP MODERATOR:

Student Surname		Name	
ID. Number		Group	

Topic and outcomes	Topic 1-3
Duration	2 Hours
Evidence Required	Answer sheet
Instrument	Question paper



Paper 1	
Question	Mark obtained
1	
2	
3	
4	
5	
6	
7	
8	
9	
10	
Total	

Rating Scale	Remark	Rating
7	Outstanding	80 - 100
6	Meritorious	70 - 79
5	Substantial	60 - 69
4	Adequate	50 - 59
3	Moderate	40 - 49
2	Elementary	30 - 39
1	Not achieved	0 - 29

SIGNATURES:

Student declaration: I declare that the evidence provided is my own work.

STUDENT: _____ DATE: _____
(Signature)

FEEDBACK: _____

(Indicate which questions you found difficult (tick ✓))

1	2	3	4	5	6	7	8	9	10
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LECTURER: _____ DATE: _____
(Print Name and Sign)

COMMENT: _____

MODERATOR: _____ DATE _____

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TES
T 2

INSTRUCTIONS AND INFORMATION

1. Answer ALL the questions.
2. Read ALL the questions carefully.
3. A 10mm border must be drawn on both sides of the drawing sheet.
4. The question numbers must be clearly indicated.
5. ALL the drawing work, including candidate information, must be done in pencil.
6. A balanced layout is very important and candidates will be penalised for poor planning.
7. ALL the drawing work must conform to the latest SABS 0111 Code of Practice for Engineering Drawing.

QUESTION 1: ASSEMBLY DRAWING

FIGURE 1 Diagram sheet 1 shows the primary views of the components of a swivel eye bracket.

The complete list of parts is as follows:

Item 1.....bracket.....1 off.....cast iron

Item 2.....swivel arm.....1 off.....cast iron

Item 3.....spacer.....2 off.....bronze

Item 4.....bush.....1 off.....brass

Item 5M12 hexagonal head bolt.....1 off.....mild steel

Item 6.....M12 hexagonal nut.....1 off (not shown).....mild steel

- 1.1 Draw as an assembly drawing, according to scale 1:1, a full sectional front view of the swivel eye bracket. (25)
- 1.2 Insert the item numbers on the assembly view. (3)
- 1.3 Insert a suitable title and scale centrally below the drawing. (2)

[30]

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QUESTION 2: DETAILED DRAWING

FIGURE 2 Diagram sheet 2 shows two views of the assembly of a drive head.

Draw, according to scale 1:1 and in THIRD-ANGLE ORTHOGRAPHIC PROJECTION, detailed drawings of the following parts:

- | | | |
|-------|--|-------------|
| 2.1 | The full-sectional side view of the pulley (item 4). | (10) |
| 2.2 | The base (item 1) showing the following views: | |
| 2.2.1 | A full-sectional front view | (5) |
| 2.2.2 | A top view | (5) |
| | | [20] |
| | TOTAL : | [50] |

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DIAGRAM SHEET 1

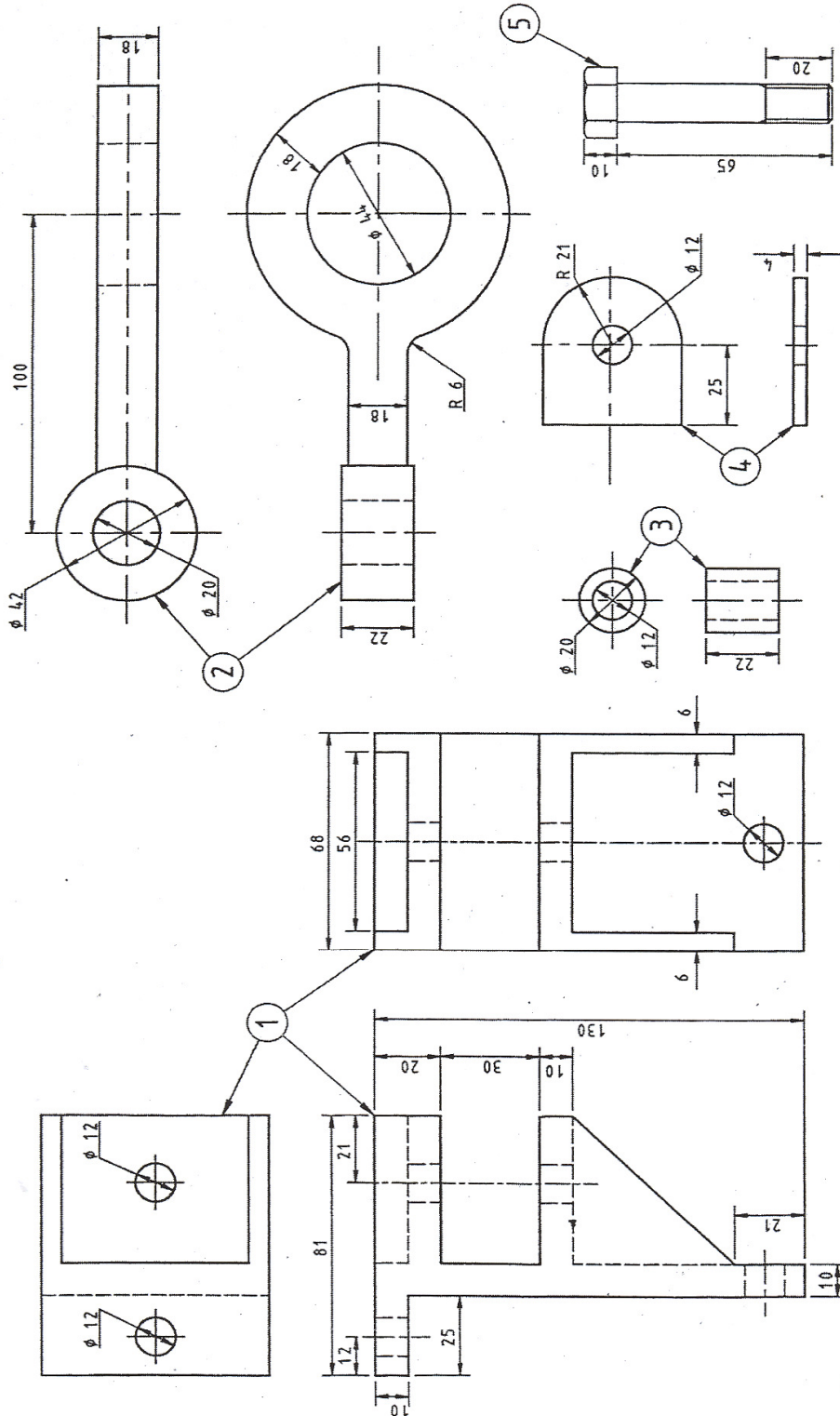
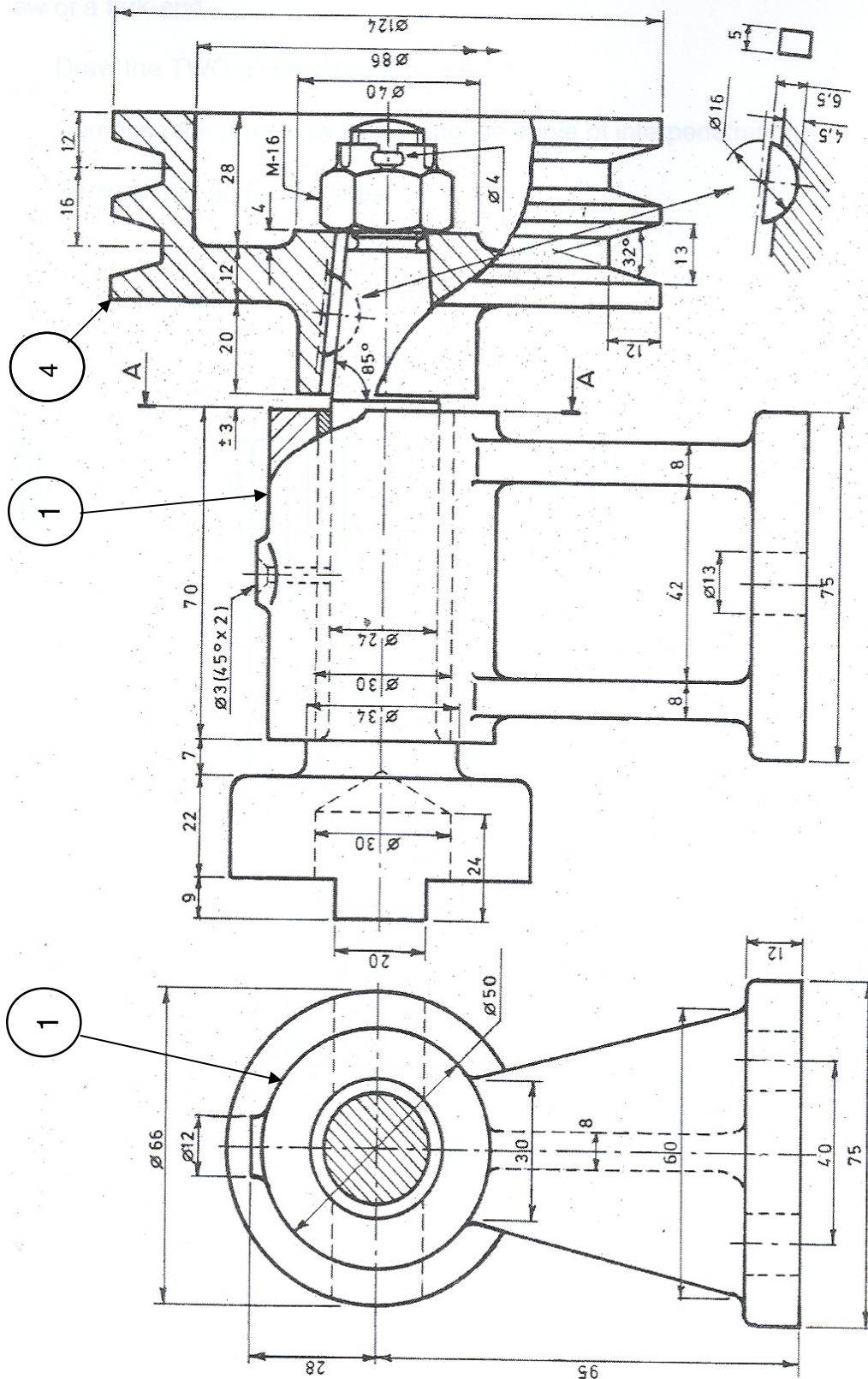


FIGURE 1

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DIAGRAM SHEET 2



DRIVE HEAD

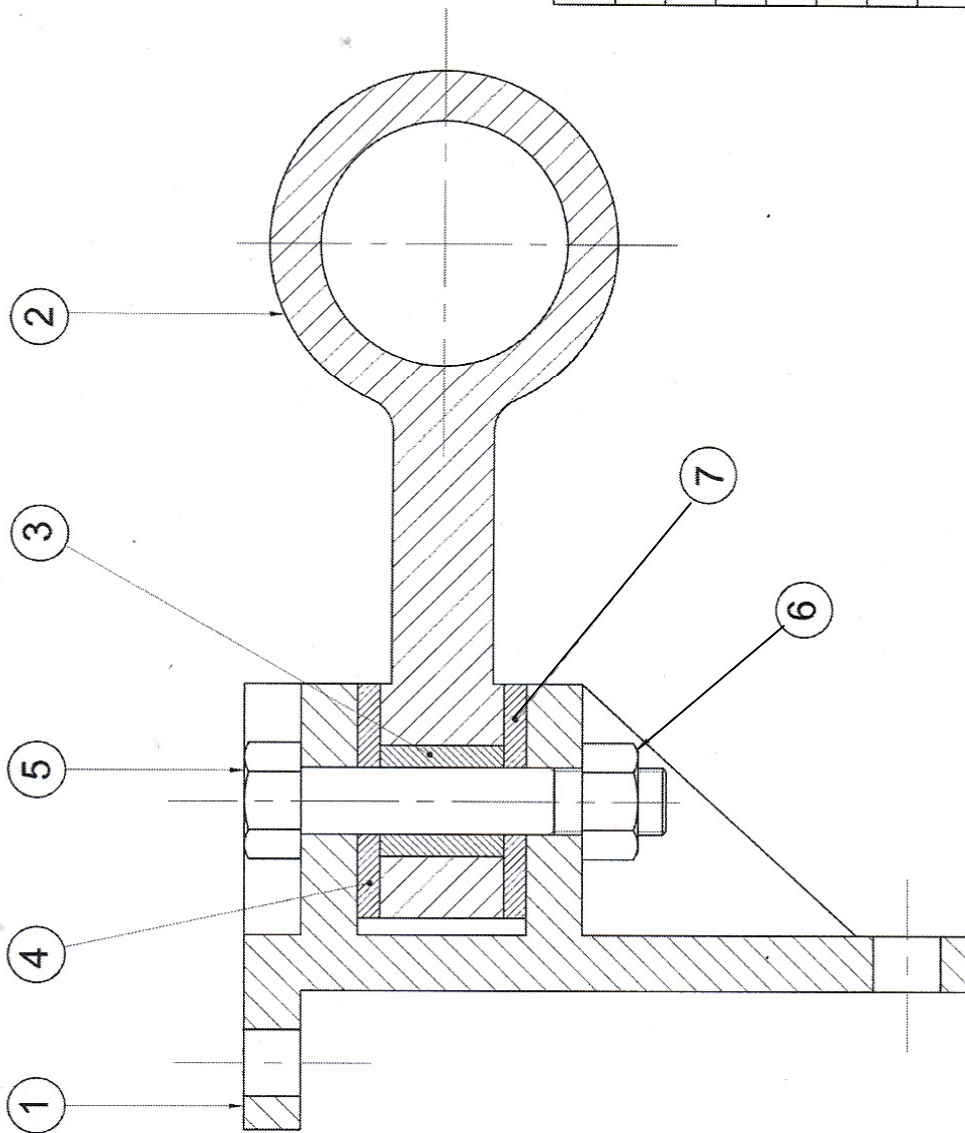
FIGURE 2

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ENGINEERING GRAPHICS AND DESIGN L3
TEST 2
MEMORANDUM

1

MARK ALLOCATION	
CORRECTNESS	14
BOLT & NUT	2
LINEWORK	5
ACCURACY	2
NEATNESS	2
ITEM NUMBERS	3
TITLE & SCALE	2
TOTAL	30

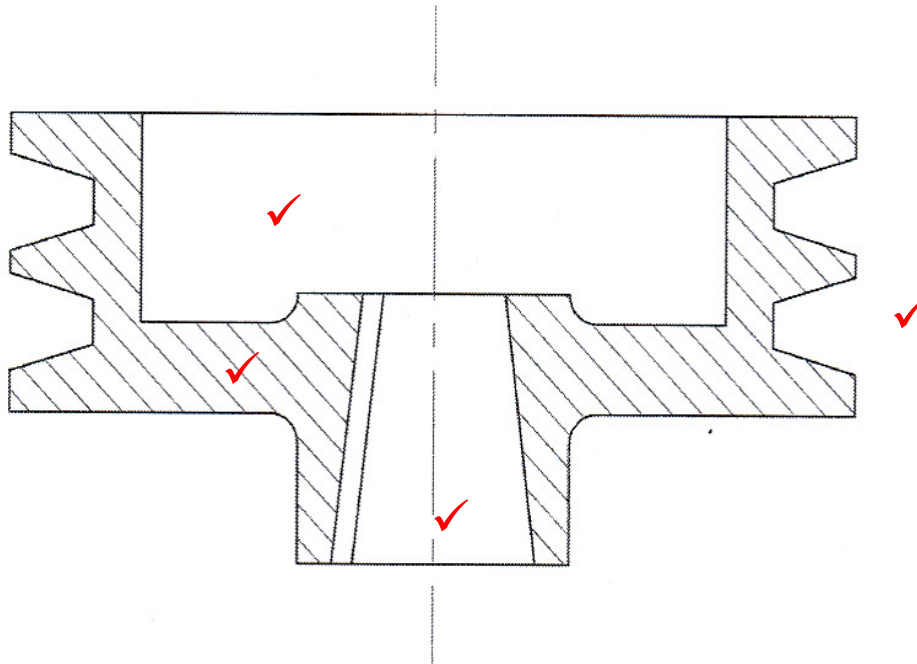


SWIVEL EYE BRACKET
SCALE 1:1

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2.1

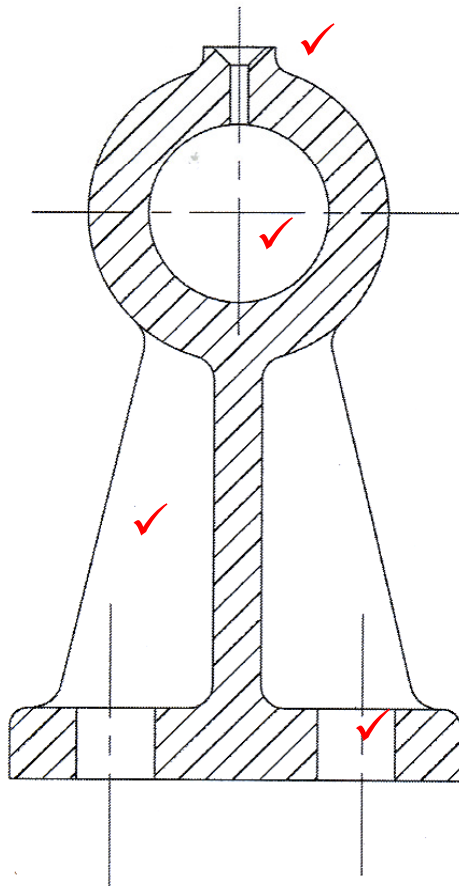
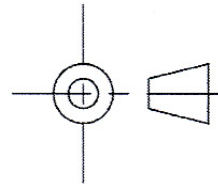
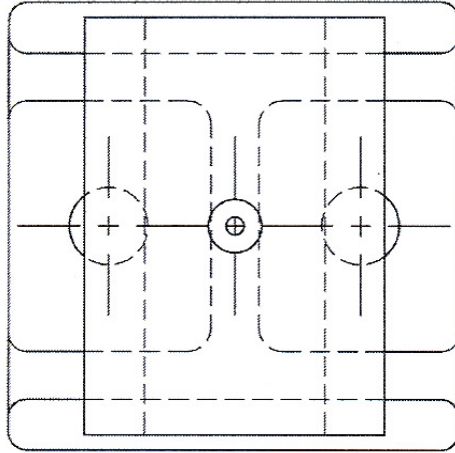
MARK ALLOCATION	
CORRECTNESS	4
OUTLINE	3
LINWORK	2
LAYOUT & NEATNESS	1
TOTAL	10



SCALE 1:1

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2.2



MARK ALLOCATION	
CORRECTNESS	4
OUTLINE	3
LINework	2
LAYOUT & NEATNESS	1
TOTAL	10