

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



ASSESSMENT COVER PAGE : TEST 2

CORE

SUBJECT: WELDING

LEVEL: 3

DATE: JUNE 2018

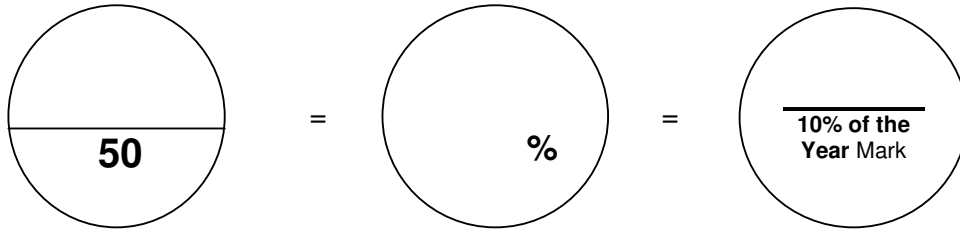
FOCUS GROUP EXAMINER: B Viljoen

FOCUS GROUP MODERATOR: G.P. Coetzee

COLLEGE MODERATOR:

Student Surname		Name	
ID. Number		Group	

Topic and outcomes	Topic 1,2
Duration	1 Hour
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 _____
(Print Name and Sign)

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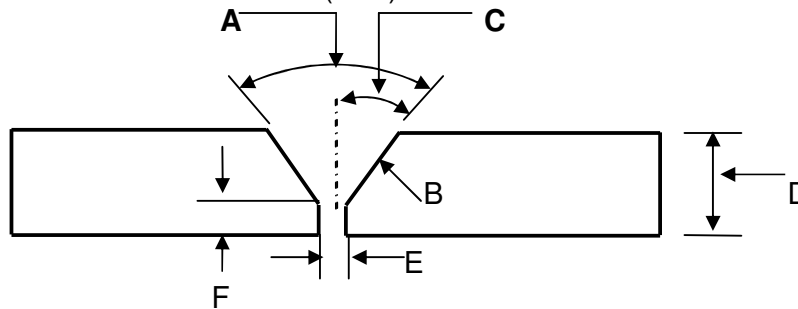


- Read all the instructions.
- Answer all the questions.
- Write neatly and legibly.
- All questions must be answered in pen.
- All drawings / sketches must be done in pencil.
- Start all questions on a new page.

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QUESTION 1: PRINCIPLES OF ARC WELDING

- 1.1 What mineral is extracted from the earth to manufacture steel? (1)
- 1.2 Make use of a sketch to indicate how you would use clamps to control butt joint distortion. (4)
- 1.3 Name five causes of porosity as a welding imperfection. (5)
- 1.4 Make a neat sketch of a T-joint with a single –fillet weld showing following fillet weld terms: (1)
- 1 Face. (1)
 - 2 Toe. (1)
 - 3 Leg length. (1)
 - 4 Effective throat. (1)
 - 5 Root (1)
- 1.5 The drawing below indicates the Butt weld.
Write the answers next to the letters (A–F) in the ANSWER BOOK. (5)



(5)

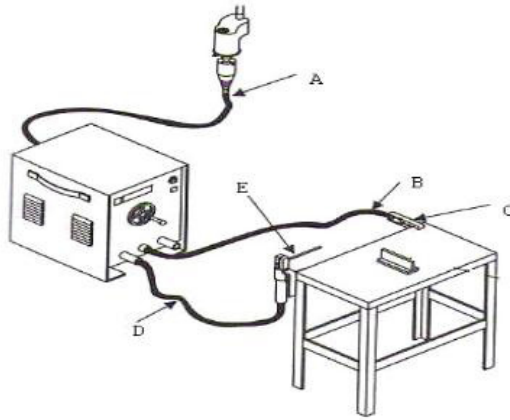
(20)

QUESTION 2: SHIELDED ARC WELDING (ALL POSITIONS)

- 2.1 Name six types of PPE required for Shielded metal arc welding. (6)
- 2.2 Name the FIVE factors influencing the choice of an electrode. (5)
- 2.3 The flux coating on an electrode has several functions. List five functions of the flux coating. (5)

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2.4 The figure below shows a welding machine connected to a power supply. Write the answers next to the appropriate letters. (A-E) in your answer book.



(5)

2.5 Name four methods of “destructive testing” that can be done on welding. (4)

(4)

2.6 Name five steps to create a safe welding environment. (5)

(5)

(30)

TOTAL 50