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071305T4EOP

ELECTRICAL OPERATION (POWER OPTION) LEVEL 5

ENG/OS/PO/CR/04/5

Demonstrate Understanding of Electronics

July/August 2025

TVET CURRICULUM DEVELOPMENT, ASSESSMENT AND CERTIFICATION COUNCIL (TVET CDACC)

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PRACTICAL ASSESSMENT

INSTRUCTIONS TO ASSESSOR

1. Assess the candidate as the practical progresses observing the critical areas
2. You are required to mark the practical as the candidate perform the tasks
3. You are required to take video clips at critical points
4. Ensure the candidate has a name tag and registration code at the back and front

OBSERVATION CHECKLIST

Candidate's Name & Registration Code			
Assessors Name & Registration Code			
Venue of Assessment			
Date of Assessment			
Items to be Evaluated: *Please award marks as appropriate. Give a brief comment on your observation.*	**Marks Available**	**Marks Obtained**	**Comments**
Adhered to safety: a) Safety boots. (*Award 1 or 0)* b) Dust coat. (*Award 1 or 0)* c) Handled tools properly. (*Award 2 or 0)*	**4**		
Housekeeping and waste disposal Neat work environment. (*Award 1 or 0)* Disposed waste. (*Award 1 or 0)*	**2**		
Subtotal 1	**6**		
	TASK 1		
i. Proper handling of equipment (Award 1 or zero) *a) Soldering gun* *b) Solder iron* ii. Proper Identification of components (Award 1 mark per correct identification) *a) Diode (Award 1 or 0)* b) *Transformer (Award 1 or 0)* c) *Transistor (Award 1 or 0)* d) *Resistor (Award 1 or 0)*	**2** **4** **4**		
Subtotal 2	**10**		
	TASK 2		
Soldered the components correctly (Award 1 mark for any four correctly soldered) *a) Transistor (Award 1 or 0)* *b) Diode (Award 1 or 0)* *c) Transformer (Award 1 or 0)* *d) Resistor (Award 1 or 0)*	**4**		

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Subtotal 3	**4**		
TASK 3			
Powered the soldered circuit *(Award 2 or 0)*	**2**		
Subtotal 4	**2**		
TASK 4			
Measured voltages at test points and recorded the results. i. TP1 (10±1Volts) (Award 3 or 0) ii. TP2 (5±1 Volts) (Award 3 or 0) iii. TP3 (0 Volts) (Award 3 or 0) iv. TP4 (5.6 ±1Volts) (Award 3 or 0)	 **3** **3** **3** **3**		
Subtotal 5	**12**		
GRAND TOTAL	**34**		

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ASSESSMENT OUTCOME

The candidate was found to be:

Competent ☐ Not yet Competent ☐

(Please tick as appropriate)

(The candidate is competent if the candidate obtains at least 50%)

Feedback from the Candidate:

Feedback to the Candidate:

Candidate Signature _____	**Date:** _____
Assessor's Signature _____	**Date** _____

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