

071305T4ELC

ELECTRONICS CRAFTSPERSON LEVEL 5

ENG/OS/ET/CR/02/5/A

Install Power Supply Systems

Nov/Dec 2024



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

PRACTICAL ASSESSMENT

OBSERVATION CHECKLIST

Candidate's Name & Registration Code			
Assessors Name & Registration Code			
Venue of Assessment			
Date of Assessment			
Items to be Evaluated: <i>Please award marks as appropriate. Give a brief comment on your observation.</i>	Marks Available	Marks Obtained	Comments
Task:			
1. Observed safety awareness:			
i. Safety boots (<i>Award 0 or 2</i>)	2		
ii. Apron/dust coat(<i>Award 0 or 2</i>)	2		
iii. Proper handling of tools (<i>Award 0 or 2</i>)	2		

iv. Proper handling of equipment (<i>Award 0 or 2</i>)	2		
v. Housekeeping and waste disposal (<i>Award 0 or 2</i>)	2		
2. Fixed components firm and level (<i>Any 10 × 1</i>)	10		
3. Achieved quality of solder joints (shiny, smooth, clean, concave solder fillet) and carried out correct connection for the following components:			
i. 4 diodes IN4007 (<i>Award 1 mark each</i>)	4		
ii. Resistors 10 Ω , 120 Ω , 47 Ω , 47 Ω (<i>Award 1 mark each</i>)	4		
iii. Capacitors 2200 μ F, 100 μ F, 100 μ F (<i>Award 1 mark each</i>)	3		
iv. Zenner diode 28v (<i>Award 1 mark each</i>)	1		
4. Spaced components uniformly (<i>Award 4 or 0</i>)	4		
5. Trimmed long terminals (<i>Award 1 or 0</i>)	1		
6. Powered the circuit and performed the following tests:			
i. Measured voltage at test point			
a) T1= 43v (<i>Award 2 marks or 0</i>)	2		
b) T2= 28v (<i>Award 2 marks or 0</i>)	2		

ii. Measure the output current at test point T3=200mA (<i>Award 2 marks or 0</i>)	2		
GRAND TOTAL	43		
ASSESSMENT OUTCOME			
The candidate was found to be: Competent <input data-bbox="743 793 870 865" type="checkbox"/> Not yet Competent <input data-bbox="1214 800 1341 871" type="checkbox"/> (<i>Please tick as appropriate</i>) (<i>The candidate is competent if the candidate obtains at least 50%</i>)			
Feedback from the Candidate:			
Feedback to the Candidate:			
Candidate Signature _____		Date: _____	
Assessor's Signature _____		Date _____	