

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)**

PRACTICE

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(Award 0 or 2)	2		
v. Housekeeping and waste disposal(Award 0 or 2)	2		
2. Fixed components firm and level (Any 10 × 1)	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 (Award 1 mark each)	4		
ii. Resistors 10Ω,1 Ω,47 Ω,47 Ω (Award 1 mark			
iii. Capacitors 2200 100μF,100μF (Award 1 mark each)			
iv. Zenner diode 28v (Award 1 mark each)	1		
4. Spaced components uniformly (Award 4 or 0)	4		
5. Trimmed long terminals (Award 1 or 0)	1		
6. Powered the circuit and performed the following tests:			
i. Measured voltage at test point			
a) T1= 43v (Award 2 marks or 0)	2		
b) T2= 28v (Award 2 marks or 0)	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 ☐ Not yet Competent ☐ (Please tick as appropriate) (The candidate is competent if the candidate is at least 50%)			
Feedback from the Candidate:			
Feedback to the Candidate:			
Candidate Signature		Date:	
_____		_____	
Assessor's Signature		Date	
_____		_____	