

071306T4ELC

ELECTRONICS TECHNICIAN LEVEL 6

ENG/OS/ET/CR/02/6/A

Install Power Supply Systems

Nov/Dec 2024



**TVET CURRICULUM DEVELOPMENT, ASSESSMENT AND CERTIFICATION
COUNCIL C)**

PRACTICAL ASSESSMENT

OBSERVATION CHECKLIST

Candidate's Name & Registration Code			
Assessors Name & Registration Code			
Venue of Assessment			
Date of assessment			
Items to be evaluated: <i>(Award appropriate marks for each item evaluated)</i>	Marks Available	Marks Obtained	Comments
OBSERVATION CHECKLIST			
1. Wore PPE			
i. Safety boots (<i>Award 0 or 2</i>)	2		
ii. Apron (<i>Award 0 or 2</i>)	2		
2. Applied good housekeeping practice			
i. Proper handling of tools (A	2		
ii. Proper handling of equipment (<i>0</i>)	2		
iii. Ensured clean working area			
working. (<i>Award 2 or 0</i>)	2		
iv. Properly disposed wastes. (<i>Award 2 or 0</i>)	2		
Sub total	12		
PRODUCT CHECKLIST			
TASK 1 - Set up the Circuit			
3. Identified the components correctly (<i>Award 7 x 1</i>)	7		
4. Mounted and soldered the components on the strip board correctly. (<i>Award 7 x 1</i>)	7		
5. Properly utilized the strip board i.e uniformly spaced electronic components/ Economic use of the copper strip board space (<i>Award 5 marks or 0 for at least 3/4 of the board</i>)	5		
6. Achieved quality of solder joints (shiny, smooth, clean, concave solder fillet) (<i>Award 1 mark for each of the seven components or 0</i>)	7		
Sub total	26		
Task 2 – Testing and System Functionality			

7. Carried out measurement at the testing points.			
i. TP1=11.48 V (Award 3 marks or 0)	3		
ii. TP2=11.45 V (Award 3 marks or 0)	3		
iii. TP3=11.43 V (Award 3 marks or 0)	3		
iv. TP4=0.00 V (Award 3 marks or 0)	3		
8. Connected circuit correctly (Award 5 marks or 0)	5		
9. Circuit functionality was achieved (Award 3 marks or 0)	5		
Sub total	22		
Total Marks	60		
$Percentage = \frac{x}{60} \times 100$			
The candidate was found to be: (Please tick appropriate)			
Competent ☐	ent ☐		
<i>The candidate is competent if they scores 50% of total marks</i>			
Feedback from candidate:			
Feedback to candidate:			
Candidate's signature:		Date:	
Assessor's signature:		Date:	

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