

**071306T4EEN**

**Electrical Engineering (Power Option) Level 6**

**ENG/OS/PO/CR/07/6**

**Maintain Electrical Equipment and Systems**

**July/August 2023**



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

*easytvet.com*

**OBSERVATION CHECKLIST**

**INSTRUCTIONS TO THE ASSESSOR**

1. You are required to mark the practical as the candidate performs the tasks.
2. You are required to take video clips at critical points.
3. Ensure the candidate has a name tag and registration code at the back and front.
4. When Task 2 is completed by the candidate, you are required to disconnect one of the strappers at S1 or at S2, in the absence of the candidate and allow the candidate to proceed with Task 3. Study figure 1 for guidance.
5. Ensure at all times that the candidate is performing tasks in a safe environment.

**This paper consists of Four (4) printed pages**

<b>Candidate's name &amp; Registration No.</b>			
<b>Assessor's name &amp; Reg. code</b>			
<b>Unit(s) of Competency</b>		Maintain electrical equipment and systems	
<b>Venue of Assessment</b>			
<b>Date of assessment</b>			
<i>(Award marks appropriately as guided for in the items for evaluation indicated. Give a brief comment where necessary)</i>			
<b>Items to be evaluated:</b>		<b>Marks allocated</b>	<b>Marks obtained</b>
<b>OBSERVATION CHECKLIST</b>			
1. Wore Personal Protective Equipment			
• Dustcoat/Overall		1	
• Safety boots		1	
2. Applied good housekeeping practice		1	
3. Identified and correct use of tools and equipment		2	
<b>Sub total</b>		<b>5</b>	
4. Correct wiring at			
• Cut – out		2	
• Energy Meter		2	
• Switch fuse		2	
• C.C.U		2	
• Switches		3	
• Lamps		1	
5. Terminated cables correctly at (Twisted, Folded, Firm and not nicked)			
• Cut – out		1	
• Energy Meter		1	
• Switch fuse		1	
• Switches		1	

• Lamp Holders	1		
6. Performed the following Tests			
• Continuity	1		
• Polarity	1		
7. Used correct colour code	1		
<b>Sub Total</b>	<b>20</b>		
8. Identified and correct use of tools and equipment for troubleshooting.	6		
9. Applied appropriate procedure for troubleshooting to identify fault (Checking Power input,Checking fuses,checking switches)	10		
10. Repaired the fault	6		
11. Performed Tests	2		
12. Test for functionality Lamps L <sub>1</sub> and L <sub>2</sub> are controlled from three different positions independently	6		
<b>Sub Total</b>	<b>30</b>		
<b>Grand Total</b>	<b>55</b>		

ASSESSMENT OUTCOMES		
The candidate was found to be: (Please tick (✓) as appropriate)		
Competent <input type="checkbox"/>	Not yet competent <input type="checkbox"/>	
<i>(The candidate is competent if s/he gets 50% of the marks)</i>		
<b>Feedback from candidate:</b>		
<b>Feedback to candidate:</b>		
Candidate's signature:	Date:	
Assessor's signature:	Date:	

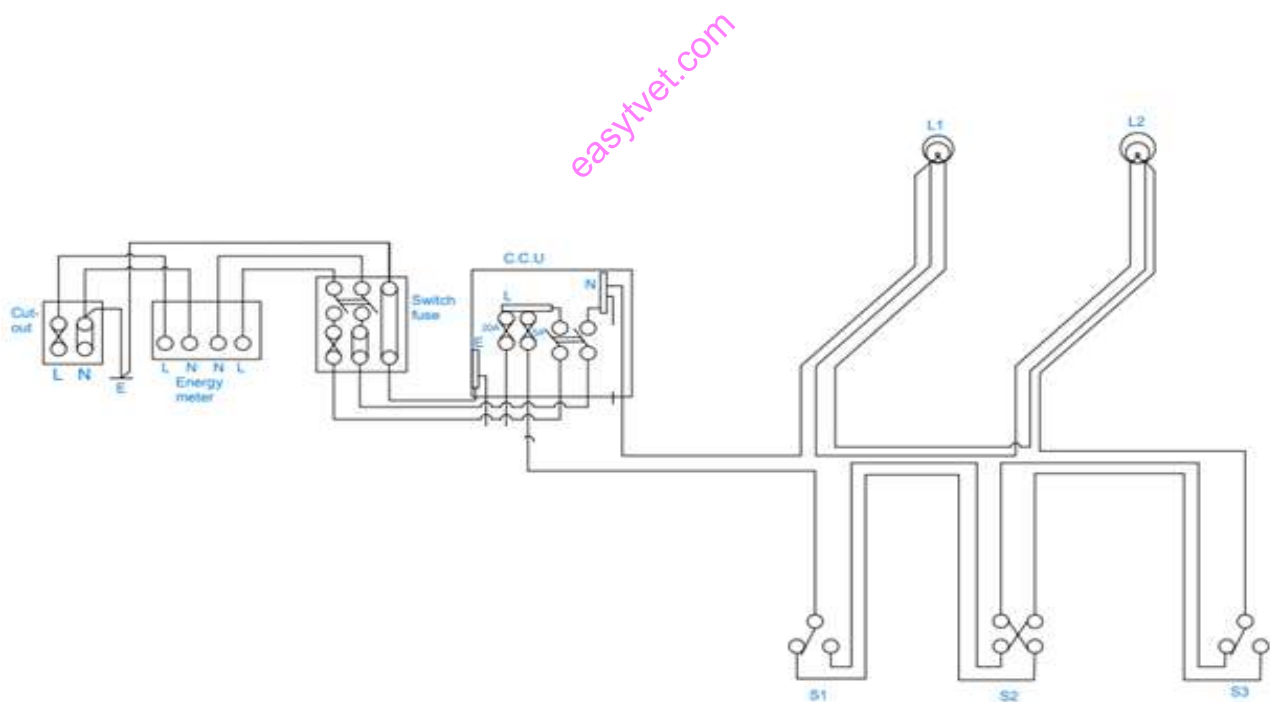


Figure 1. The expected wiring from the candidate

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