

061906T4TEL

TELECOMMUNICATION ENGINEERING LEVEL 6

ENG/OS/TLE/CR/01/6/A

Perform Electrical Installation

March/April 2025

Time: 4 Hours



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

PRACTICA

NT GUIDE

ASSESSOR INSTRUCTIONS

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

This checklist consists of FIVE (5) printed pages.

**Assessor should check to ascertain that all pages are printed as indicated and
that no items of evaluation are missing.**

Candidate's name & Registration No.			
Assessor's name & Reg. code			
Unit(s) of Competency			
Venue of Assessment			
Date of assessment			
Items to be evaluated: <i>(Award appropriate marks for each item evaluated)</i>	Marks availab le	Marks obtain ed	Comme nts
OBSERVATION CHECKLIST			
1. Wore safety clothing (a) Safety boots <i>(Award 1 or 0)</i> (b) Apron <i>(Award 1 or 0)</i>	1 1		
2. Observed colour code <i>(Award 1 or 0)</i>	1		
3. Applied good housekeeping practice <i>(Award 2 or 0)</i>	2		
4. Identified and correctly used tools and equipment (a) Pliers (b) Side cutter (c) Tape measure (d) Spirit level (e) Screw Driver (f) Multimeter	1 1 1 1 1 1		
Sub total	11		
PRODUCT CHECKLIST			
TASK 1			
5. Drew correct wiring diagram as given in figure 1 (a) Lighting <i>(Award 5 or 0)</i>	5		

(b) Power (Award 5 or 0)	5		
Sub total	10		
TASK 2			
6. Used correct dimensions $\pm 2\text{mm}$ (Award 1×3)	3		
7. Fixed components(firm and level) (Award 1×4)	4		
8. Conduit bends (smooth with no kinks) 90° bends (Award 1 or 0)	1		
9. Conduit termination (firm and level) (a) Horizontal (Award 1 or 0) (b) Vertical (Award 1 or 0)	1 1		
10. Correct connection (a) Fluorescent tube (Award 2 or (b) Switches (Award 1 mark for e = 3) (c) Sockets (Award 2 marks for e = 6) (d) CCU(Award 2 or 0)	2 3 6 2		
Sub total	23		
TASK 3			
11. Performed polarity test(Award 3 or 0)	3		
12. Performed Continuity test(Award 3 or 0)	3		
13. Correct circuit operation (a) Lighting (Award 6 for all correct lighting points or 0) (b) Power(Award 6 for correct ring and spur or 0)	6 6		
Total marks	18		

GRAND TOTAL	62		
Percentage = $\frac{x}{62} \times 100$			
The candidate was found to be: (Please tick (✓) as appropriate)			
Competent ☐	Not yet competent ☐		
The candidate is competent if s/he gets scores 50% of marks			
Feedback from candidate:			
Feedback to candidate:			
Candidate's signature:	Date		
Assessor's signature:	Date		

WIRING DIAGRAM

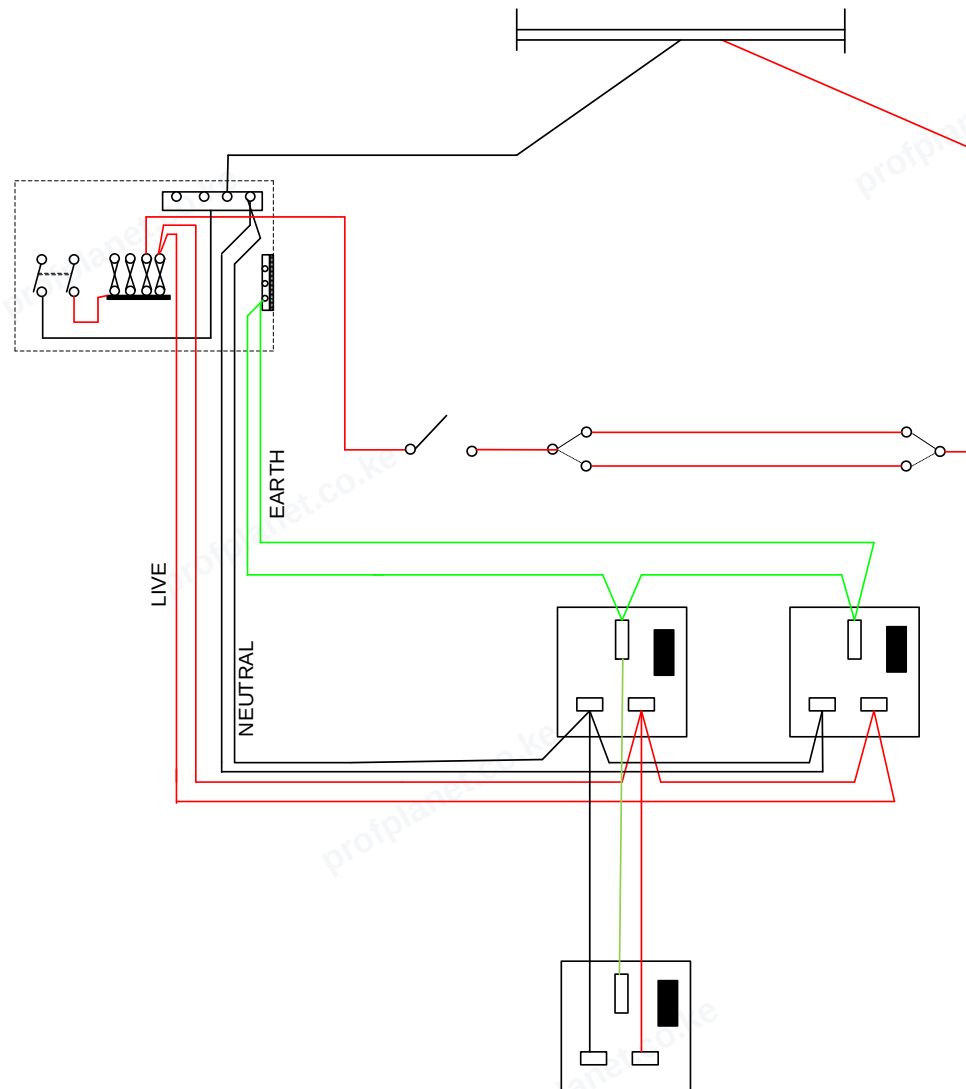


Figure 1

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