

061906T4TEL

TELECOMMUNICATION ENGINEERING LEVEL 6

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

Perform electrical installation

July/August 2025



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

PRACTIC

SSMENT

Tim

RS

INSTRUCTIONS TO CANDIDATE:

1. Do not write on the question paper.
2. A separate plain sheet will be provided.
3. Return this paper to assessor at the end of the assessment.
4. The assessor will take pictures and videos as you conduct the practical.

This paper consists of TWO (2) printed pages.

**Candidate should check the question paper to ascertain that
all pages are printed as indicated and that no questions are missing.**

1. You are required to perform the following tasks.

TASK 1: Draw a wiring diagram of the final circuit as per the layout in Figure 1 such that:

- Lamp L2 is controlled from two positions S2 and S3.
- Lamps L1 is controlled from switch S1.
- Socket outlets are wired in radial.

TASK 2: Carry out the electrical installation using PVC sheathed cable.

TASK 3: Carry out the following installation tests

- Continuity test
- Polarity test

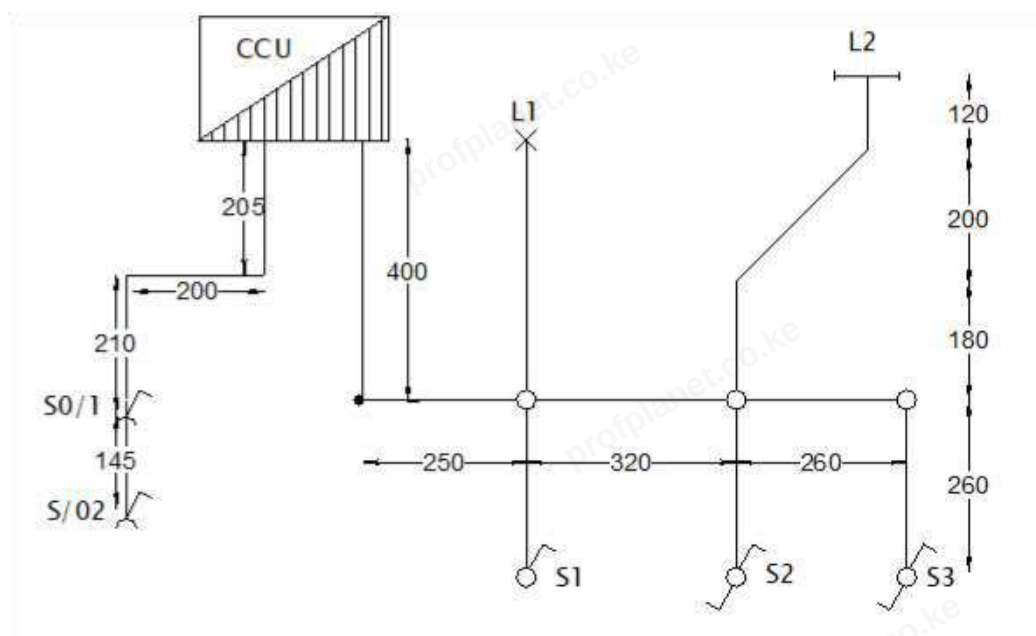


Figure 1

2. You have been provided with the following resources to carry out the tasks:

- 1.5 mm² PVC sheathed cable

- (b) 2.5mm² PVC sheathed cable
- (c) 6A/10A circuit breaker
- (d) 63A double pole circuit breaker
- (e) Deep pattress boxes
- (f) Single shallow pattress boxes
- (g) 1 gang two way switch
- (h) 1 gang one way switch
- (i) 13A socket outlet
- (j) Fluorescent lamp (complete)
- (k) Wood screws
- (l) Multimeter
- (m) Consumer control unit (CCU 4-way)
- (n) Incandescent Bulbs
- (o) Straight bulb holders
- (p) Junction box
- (q) Tower clips
- (r) Spirit level
- (s) 240ac power supply

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