

071306T4ELC

ELECTRONICS TECHNICIAN LEVEL 6

ENG/OS/ET/CR/01/6

Perform Electrical Installation

July/August 2025



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

PRACTICE ASSESSMENT

Time: 3 HOURS

INSTRUCTIONS TO CANDIDATE:

1. Figure 1, shows a layout of lighting and power final circuit wired such that;
 - i. Switch S_1 gang 1 controls lamp L_1
 - ii. Switch S_1 gang 2 is a master switch to lamp L_2 .
 - iii. Lamp L_2 is controlled by both switches S_2 and S_3 .
 - iv. Socket outlets are connected in a ring, with socket outlet S/O_3 being a spur.

You are required to perform the following tasks

TASK 1: Draw the wiring diagram

TASK 2: Identify materials required to install the circuit

TASK 3: Using PVC conduit wiring system, install and wire the final circuits as per the layout on the installation board provided.

TASK 4: Perform the following tests

- a) Polarity test on lighting circuit.
- b) Continuity test on ring sockets

TASK 5: Test the installed system for functionality.

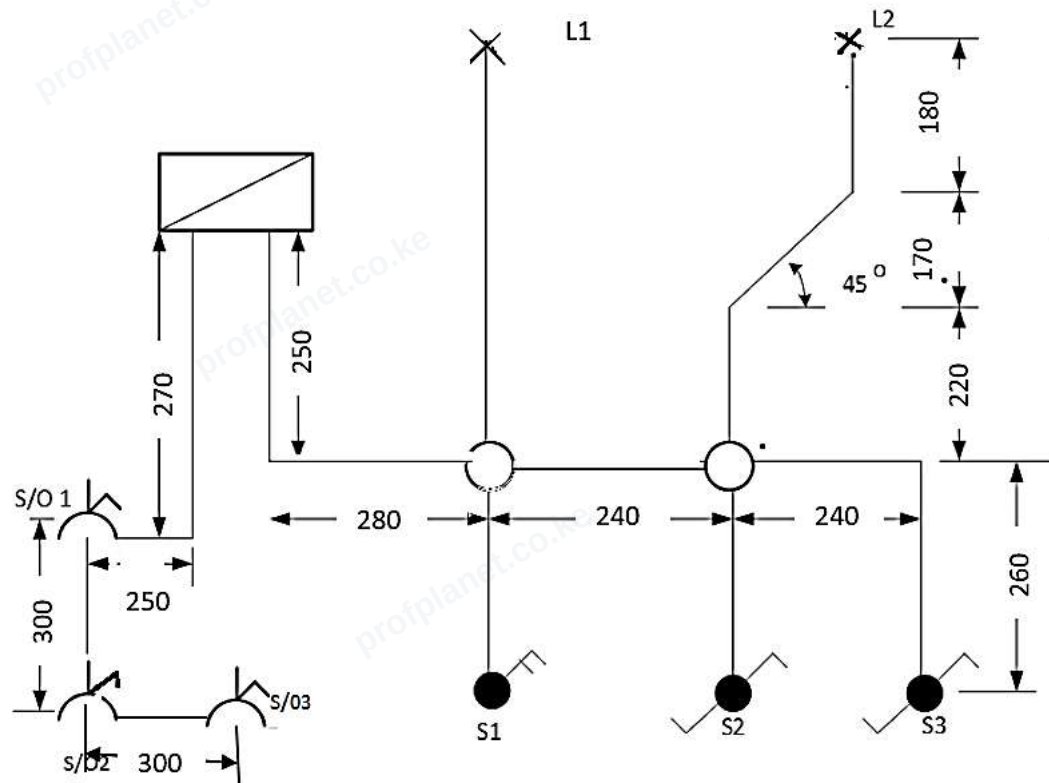


Figure 1