

**071305T4EOP**

**ELECTRICAL OPERATION LEVEL 5**

**ENG/OS/PO/CR/07/5/A**

**Perform Electrical Breakdown Maintenance**

**March/April 2025**



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

**PRACTICAL ASSESSMENT**

**TIME: 2 HOURS**

**INSTRUCTIONS TO CANDIDATE:**

1. **DO NOT** write on this question paper.
2. You must adhere to Environmental Health and Safety (EHS) and IEE regulations.
3. Writing materials will be provided.

**This paper consists of TWO (2) printed pages.**

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

You have been provided with the following resources:

- i. Pre-installed electrical circuit;
- ii. Digital Multimeter;
- iii. Insulation resistance tester;
- iv. Electrician tool kit.

Figure 1 shows a layout diagram of the pre-installed system where lamp L1 is controlled from S1, S2 and S3 independently, lamp L2 is controlled from switch S3.

Socket outlets are connected in ring.

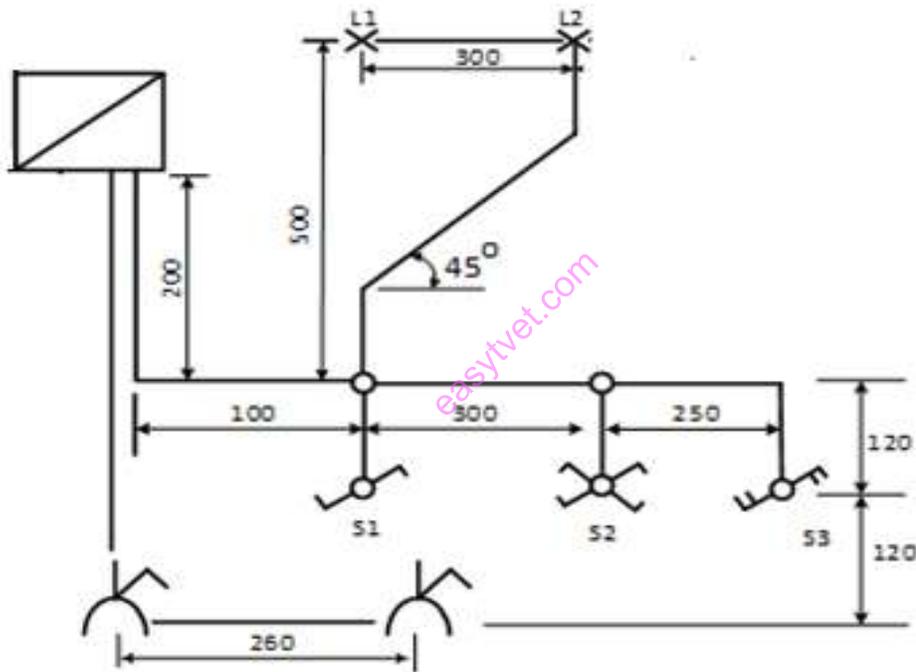


Figure 1: Pre-installed circuit

Carry out the following tasks:

**TASK 1:** Identify the faults in the installation;

**TASK 2:** Record the identified faults and provide remedies for each faults;

**TASK 3:** Repair and test for functionality.

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