

**071305T4EIN**

**ELECTRICAL INSTALLATION LEVEL 4**

**ENG/OS/EI/CR/02/4A**

**Perform Testing of Electrical Installation**

**July/August 2024**

**Time: 4 Hours**



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

**PRACTICAL ASSESSMENT**

**4 HOURS**

**INSTRUCTIONS TO CANDIDATE:**

1. Do not write on the question paper
2. DO NOT switch ON power without assessor's permission
3. A separate plain paper will be provided
4. Return the question paper to the assessor at the end of practical.

**This paper consists of TWO (2) printed page.  
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 an electrical installation as per the wiring diagram shown in **figure 1** below, such that:

- a) The two lamps are controlled from four different positions that is  $S_1$ ,  $S_2$ ,  $S_3$  and  $S_4$
- b) Socket outlets  $S/O_1$  and  $S/O_2$  are wired in ring with  $S/O_3$  connected as spur

Carry out the following tasks:

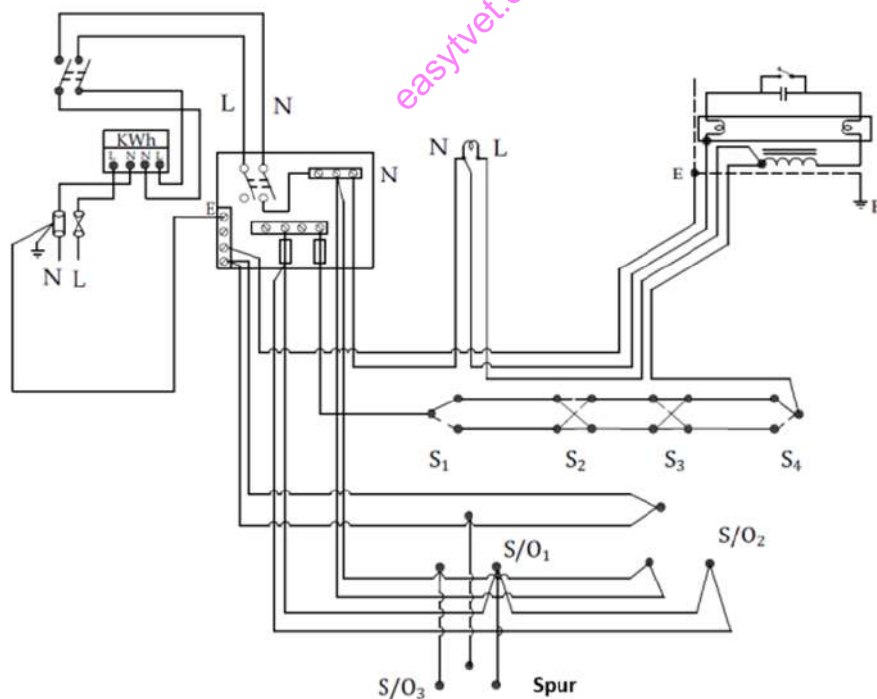
**TASK 1:** Perform visual inspection on the system

**TASK 2:** Perform the following tests and record the test results

- i. Polarity test
- ii. Continuity test
- iii. Insulation resistance test

**TASK 3:** Repair the installation for correct functionality.

**TASK 4:** Record maintenance activities



**Figure 1**

**THIS IS THE LAST PRINTED PAGE.**