

071306T4EEN

ELECTRICAL ENGINEERING (POWER OPTION) LEVEL 6

ENG/OS/PO/CR/08/6

Maintain Electrical Equipment and Systems

Nov/Dec 2024



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

PRACTICAL ASSESSMENT

TIME: 3 HOURS

INSTRUCTIONS TO CANDIDATES

1. You are required to perform the following task:
 - i. **TASK:** You are required to troubleshoot a faulty fluorescent bulb
2. You are provided with the following resources for the tasks:
 - Power supply
 - Pliers
 - Screws
 - Screw driver
 - 40 Watts fluorescent fitting and tube
 - Phase tester
 - Consumer control unit
 - Insulation tape
 - Wooden board
 - A complete pre-installed fluorescent lamp
 - Test instrument.
 - Source of Power.

TASK :

You are expected to observe the pre-installed complete fluorescent lamp to ensure that it is functioning well, after-which the assessor will let you out for at least ten minutes in order to create a fault. Carry out the following task:

- a) Draw the wiring diagram of a completely wired and working fluorescent lamp.
- b) Dismantle the faulty fluorescent, identify the fault and correct the fault.
- c) Test for functionality

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