

071106T4SLT

SCIENCE LABORATORY TECHNOLOGY LEVEL 6

SLT/OS/SL/CR/02/6/A

APPLY PHYSICS TECHNIQUES

Oct /Nov 2024



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

PRACTICAL ASSESSMENT

Time: 3 HOURS

INSTRUCTIONS TO CANDIDATE

1. In this practical assessment you are required to carry out the following task:
 - Determine the forward and reverse characteristics of a p-n junction diode
2. You are provided with the following resources to carry out the task:
 - Diode (1N4007)
 - Variable resistor (0 – 100 Ω)
 - Milliammeter (0 – 10mA)
 - Voltmeter (0 – 1 V)
 - Switch
 - 3 dry cells
 - Cell holders
 - Connecting wires (single strand)
 - Crocodile clips

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