



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

Qualification Code : 061005T4ICT
Qualification : ICT Technician Level 5
Unit code : IT/OS/ICT/CC/01/5
Unit(s) of competency : Apply Basic Electronic

WRITTEN ASSESSMENT ASSESSOR'S GUIDE

INSTRUCTIONS TO THE CANDIDATE:

1. You have **THREE (3) hours** to answer all the questions.
2. You are provided with a separate answer booklet.
3. Provide all the candidate personal information, include the date and signature.
4. Do not write on the question paper.
5. Answer all questions in English.
6. You will need a scientific calculator for this assessment.

SECTION A: [20 MARKS]

Encircle the correct answer.

Each question carries one (1) mark.

1. Electric current can be defined as:
 - A. The rate at which free electrons can be made to drift through a material in a particular direction Coulomb**
 - B. The rate at which free electrons can be made to drift through a material.
 - C. Electrons in motion
 - D. Power, energy and force in a circuit
2. 80 coulombs of charge was transferred by a current of 0.5 A. Calculate the time for which the current flowed:
 - A. 160 minutes
 - B. 40 seconds
 - C. 160 seconds**
 - D. 80 seconds
3. Bit can be defined as: -
 - A. A set of facts
 - B. A representation of a value in binary notation.**
 - C. The most commonly used unit of measuring the capacity of a computer memory.
 - D. Human message
4. The rate at which energy is dissipated is:
 - A. Power**
 - B. Energy
 - C. Resistance
 - D. Current
5. The function of a neutron in an atom: -
 - A. Keeps the nucleus of an atom intact.**
 - B. Compared the behaviour of atoms
 - C. Charges the protons in an atom
 - D. Reduces the flow of current