

052106T4ENS
ENVIRONMENTAL TECHNICIAN LEVEL 6
ENV/OS/SCI/CC/01/6/A
Conduct Project Research
July/Aug, 2023



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

WRITTEN ASSESSMENT

Time: 3 hours

INSTRUCTIONS TO CANDIDATE

1. Marks for each question are indicated in the brackets.
2. The paper consists of **TWO** sections: **A & B**.
3. Do not write on the question paper.
4. A separate answer booklet will be provided.

This paper consists of 3 printed pages

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

SECTION A: (40 MARKS)

(Answer ALL questions in this section)

1. Outline FOUR components of a research proposal (4 Marks)
2. Distinguish between population and sample as used in research (4 Marks)
3. Identify FOUR reasons why a researcher should make reference of sources of information. (4 Marks)
4. Mention FOUR types of research (4 Marks)
5. Explain TWO criteria that a good research problem statement should meet (4 Marks)
6. Outline FOUR characteristics of a good research title (4 Marks)
7. Highlight FOUR secondary sources of data that may be available to a researcher (4 Marks)
8. Outline FOUR types of information that should be contained in the preliminary pages of a research report (4 Marks)
9. Identify FOUR types of graphics that can be used to summarize and present data (4 Marks)
10. Using an example in each case, distinguish between random and non-random sampling. (4 Marks)

SECTION B: (60 MARKS)

(Answer ANY THREE questions in this section)

11. A researcher is about to go out for data collection.
 - a) Explain FIVE methods of data collection. (10 Marks)
 - b) Describe TWO advantages of each of the FIVE methods explained in 11(a) above (10 Marks)
12. You have been contracted as a senior researcher in Simba Research International Firm.
 - a) Discuss FIVE reasons why writing a research proposal is important to the firm. (10 Marks)
 - b) Explain FIVE ethical rules you will take into consideration when conducting research. (10 Marks)

13. Discuss the FIVE purposes of each of the following sections of a research report

- a) Literature Review (10 marks)
- b) Summary of findings and conclusions (10marks)

14. You have been invited for a discussion with the principal of your institution on research matters.

- a) Explain FIVE benefits of research. (10 marks)
- b) Explain FIVE constraints encountered by researchers in institutions. (10marks)

This is the last printed page.