

061005T4ICT

ICT TECHNICIAN LEVEL 5

IT/OS/ICT/CR/5/5

DEVELOP COMPUTER PROGRAM

NOV/DEC 2023



**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 perform Tasks 1 and 2.
TASK 1 carries 30 Marks
TASK 2 carries 20 Marks
2. The assessor will record your performance at critical points using audio-visual means.
3. You have **Ten** minutes to go through the instructions and the questions.
4. You are provided with the following resources:
 - A working computer.
 - Working text editor e.g. notepad installed.
 - Working C compiler installed.
 - Working internet browser installed.

TASK 1:

As a programmer in a Technology firm, you are tasked with implementing the guidelines given below. Using C programming language, develop a program that when it has been successfully compiled will do the following.

The program when run, should displays the initial screen as below;

```
===== Wel come to Saf ari kom=====
select an opt i on to conti nue
    0. Buy bundl e,
    1. Buy credi t,
    2. Personal Det ai ls.
=====
```

a. When a user selects 0, the screen displays;

```
===== Saf ari kom- Buy Bundl e =====
select an opt i on to conti nue
0. sh10 for 100mbs,
    1. sh20 for 250mbs,
=====
```

b. When a user selects 1, the screen displays;

```
===== Saf ari kom- Personal Details =====
select an opt i on to conti nue
    0. Enter your first name,
    1. Enter your mobile number,
=====
```

c. When a user selects any other input, the screen displays;

```
===== Saf ari kom- Err or =====
invalid input, please select *,
to go back to the main page.
=====
```

d. Use a control structure to implement from the first screen in a), to the selected next screen b), c), or d).

e. Use a control structure to implement what happens when the user selects an option in d).