061006T4ICT

ICT TECHNICIAN LEVEL 6

IT/OS/ICT/CR/10/6

DEVELOP COMPUTER PROGRAM

July/August 2024

TVET CURRICULUM DEVELOPMENT, ASSESSMENT AND CERTIFICATION

COUNCIL (TVET CDACC)

PRACTICAL CANDIDATE TOOL

TIME: 3 HOURS

INSTRUCTIONS TO CANDIDATE:

1. This paper consists of **TWO** tasks. Attempt all the tasks.

2. Marks for each task are indicated

3. You have **ten minutes** to read through the instructions and check availability of resources for the practical.

4. Any problem should be reported to the invigilator/supervisor immediately.

5. The assessor will record your performance at critical points

This paper consists of TWO (2) printed pages.

Candidate should check the question paper to ascertain that

all the pages are printed as indicated and that no questions are missing.

You are provided with the following resources:

A working computer installed with

    i.   Java compiler

   ii.   C compiler

  iii.   Notepad ++

Task 1 (35 marks)

You are required to develop an ATM program using Java for representing transactions. The program should allow the user to select an option from options displayed on the screen. The options are: withdraw money, deposit money, check balance and exit.

To withdraw money, get the withdrawal amount from the user and remove that amount from the total balance and print the successful message

To deposit the money, get the deposit amount from the user, add it to the total balance and print the successful message

To check balance, print the total balance of the user

Use the exit (0) method to exit from the current transaction mode and return the user to the home page

Task 2 (15 marks)

Develop a program in C language that prompts a user to enter marks for five subjects using a marks array. The program uses for loop to prompt the user to enter marks for each subject and stores them in the array. It then computes the average and displays the result as a two decimal point value.

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