

061005T4ICT

ICT TECHNICIAN LEVEL 5

IT/OS/ICT/CR/5/5

Develop Computer Program

March/April 2025



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

PRACTICAL ASSESSMENT

TIME: 3 HOURS

INSTRUCTIONS TO CANDIDATE:

1. You are required to perform the following tasks
 - i. Develop a program flowchart
 - ii. Develop a program in C language
 - iii. Use basic HTML tags
 - iv. Print the documents
2. You have been provided with the following resources for the practical tasks:
 - i. C programming IDE
 - ii. Microsoft office
 - iii. Internet browser
 - iv. Notepad system
 - v. Printer

TASK 1: Develop a program flowchart

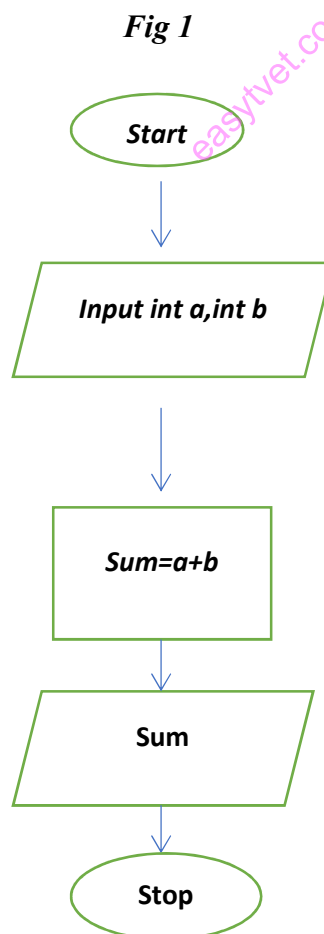
A Bank intends to automate the calculation of bonuses for account holders at the end of every year. The Bank's policy is to give a 2% bonus on the ending balances of all accounts at the end of the year. A 5% bonus is also given to all Female account holders if the balance is more than 50,000.

Required:

- i. Start Microsoft office word
- ii. Use appropriate symbols to draw a program flowchart for the program to be developed
- iii. Save the document using the name *bankprog* on the desktop to print later.

TASK 2: Develop a program using C language.

Study the program flow chart shown in the figure below



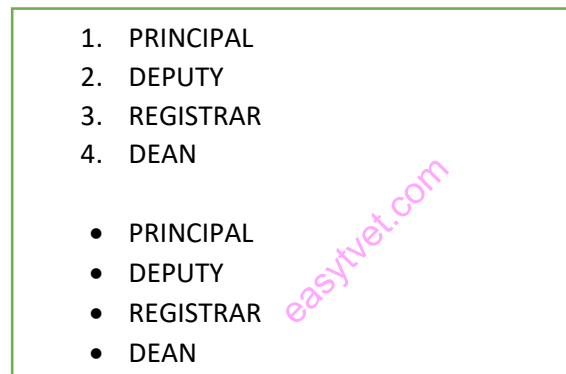
Required:

- i. Using C language syntax develop a program to implement the logic shown in the flowchart.
- ii. Compile the code to debug all errors
- iii. Save the code as *sumyetu* on the desktop to print later.

TASK 3: Use basic HTML tags.

Study the output of a webpage shown in the figure below below to perform tasks that follow.

Fig 2



Required:

- i. Using a notepad write code that generates output shown in fig 2 above.
- ii. Save the notepad as *appointments* on the desktop to print later.

TASK 4: Print documents.

Required:

- i. Print *bankprog* prepared in task 1
- ii. Print *sumyetu* code prepared in task 2
- iii. Print *appointments* prepared in task 3