

**LAIKIPIA EAST TECHNICAL AND Vocational COLLEGE**

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**IT/OS/ICT/CR/10/6: DEVELOP COMPUTER PROGRAM**

ICT TECHNICIAN LEVEL 6 : CAT 1

**INSTRUCTIONS:** Answer all questions. Time :1 hour

* 1. Differentiate between black box and white box testing. (4 Marks)
  2. Develop a pseudo code and a flowchart to print the largest number among two numbers entered by the user (7 marks)
  3. Write a program to enter dimension of a triangle then use a function to calculate area of a triangle and return the result (7 marks)
  4. List two relational operators and two logical operators used in C programming (4 Marks)
  5. Using appropriate examples explain two types of programming errors [4 Marks]
  6. In C, programmers may declare variables using a variety of basic or primitive data types. Enumerate FOUR possible forms of data. (4 Marks)
  7. Differentiate the following as used in programming

1. Global variable and a local variable (2 marks)
2. Compiler and Interpreter (2 marks)
3. Assembly and Machine Language (2 marks)