

**LAIKIPIA EAST TECHNICAL AND Vocational COLLEGE**

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

CAT 1: October 15, 2024

**INSTRUCTIONS:** Answer all questions.

1. Write a structured algorithm (Pseudocode) that would prompt the user to enter the Length and Width of a rectangle, calculate the Area and Perimeter, then display the result. (5marks)
2. Draw a flowchart that can be used to prompt the user to enter two numbers, calculate the sum and average of the two numbers and then display the output on the screen. (5 marks)
3. Define the following terms: (6 marks)
4. Assembler
5. Interpreter
6. Compiler
7. Source code
8. Object code
9. Programming
10. Identify FOUR levels of testing a computer program. (4 Marks)
11. Draw a flowchart for a program that can be used to classify people according to age. If a person is more than 18 years; output “Adult” else output “Child” (5 Marks)
12. Identify three valid reasons for a software developer to use each of the Agile Methodology approach in a project. (6 Marks)