

LAB EXERCISE 2

TOPIC: ELEMENTARY PROGRAMMING & CONTROL STRUCTURES

NAME:

MATRIC NO:

SECTION:

QUESTION 1

[10 Marks]

Sketch a flowchart for a program that will perform like a calculator involving operators add, subtract, multiply and divide:

- a. Prompt the users to enter desired operator of char type (add, subtract, multiply and divide)
- b. Prompt the users to enter two inputs of numbers
- c. Use switch-case statements to check the entered input
 - i. If the user enters `+`, addition is performed on the numbers.
 - ii. If the user enters `-`, subtraction is performed on the numbers.
 - iii. If the user enters `*`, multiplication is performed on the numbers.
 - iv. If the user enters `/`, division is performed on the numbers.
 - v. If the user enters any other character, print out error message
- d. For the output, display `>>` the two numbers, the operator, the result.
- e. Loop using the Do-While until user decides to stop.

QUESTION 2

[30 Marks]

Write a C++ program to prove the running of the solution.