Tertiary and Vocational Education Commission
NVQ Level 05 –Semester I
Information & Communication Technology

Software Programming (Theory)	K72T001M04	Three Hours

Answer only any four (04) questions.

Question 01

1.) What are the different between Structured programming vs OOP (Mark 08)

2.) List down four (04) main concept of Object Oriented Programing (Mark 08)

3.) Briefly explain two (02) from above mention OOP concepts (Marks 09)

Question 02

1.) Briefly describe the different between "For Loop" and "While Loop" with suitable examples. (Marks 05)

2.) Briefly describe an Array with an example (Marks 08)

3.) Write a program to display the total and the maximum number of the following list of numbers. (Marks 12)

Numbers: 1.9, 2.9, 3.4, 3.5

Question 03

1.) Briefly explain term call Global variable and Local variable with suitable examples (Marks 12)

2.) What is an exception handling? (Marks 07)

3.) Briefly explain the type of errors (Marks 06)

Question 04

1.) Briefly explain following two methods with example. (Marks 10)

    a. Method Overloading

    b. Method Overriding

2.) What is an algorithm? (Marks 05)

3.) Write an algorithm to check whether a number entered by user is a primary or not (Marks 10)

Question 05

1.) Briefly explain the term "Variable" and give example for three (03) different types of variables. (Mark 07)

2.) What are the Advantages and Disadvantages of Graphical User Interface (GUI)? (Mark 08)

3.) Write a program to display the following pattern with numbers. (Mark 10)

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12345
1234
123
12
1
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