SCHOOL OF ENGINEERING AND TECHNOLOGY

DEPARTMENNT OF COMPUTING AND IT

SCS 202:EVENT DRIVEN PROGRAMMING

Past Paper.

QUESTION ONE(30MARKS)

a) Distinguish between the following terms.
    i. Constant and Enumeration.   (2mks)
    ii. Modifier and Directive.   (2mks)
b) Describe the three major categories of programming languages.   (3mks)
c) Outline some components of the.Net framework.   (5mks)
d) Describe the logical units of a personal computing machine.   (6mks)
e) Briefly describe the three forms of control needed to implement a program. (6mks)
f) Write a simple program in VB.Net language that performs four arithmetic operations on two operands and displays the answers.   (6mks)

QUESTION TWO(20MKS)

a) Briefly explain the difference between the do while,the while and for repetition statements using a relevant example.   (5mks)
b) write a simple statements in VB.Net tat demonstrates the following statements.
    i. The while loop   (5mks)
    ii. The do while loop   (5mks)
    iii. The for...next loop   (5mks)

QUESTION THREE(20MKS)

a)   Explain the selection statements using flow diagrams and their respective syntax.(12mks)
b)   Write a program in VB.Net to demonstrate the switch context case statement.   (8mks)

QUESTION FOUR(20MKS)

a) Differentiate between recursive functions and iterative functions.   (4mks)
b) Write a program in VB.Net that initializes an array with 10 elements and displays the elements.   (8mks)
c) write a program in VB.Net that demonstrates the creation of a two_dimensional array and displays elements.   (8mks)

QUESTION FIVE(20MKS)

a) Differentiate between pseudo code and algorithm.   (4mks)
b) Write a program in VB.Net that calculates factorial for a given number using a recursive function.   (8mks)
c)Write a program in VB.Net that demonstrates the concept of an exception handling.   (8mks)