El-Mansoura University
Faculty of Engineering
1ˢᵗ Year Students,
Computers & Systems Engineering Dept.

Subject: Programm   anguages 1(CSE 3115)
Date: Monday, 24 January , 2012
Time Allowed: Three Hours

Attempt All Questions:

Q1: How to make multi-line in a message box ,illustrate your answer with an example.

(4 Marks)

Q2: Write a console application program to print out all prime numbers lies between 1 and 20.

(7 Marks)

Q3: Write a program to determine student grade using select case statement.

(7 Marks)

Q4: Write a console application program to determine the factorial of any number **n** using function?

(7 Marks)

Q5: Write a program to simulate a simple calculator with the following operations (+, - , * , /, mod) , using if statement.

(7 Marks)

Q6 : Write a console application program to determine the area of triangle using function?

(7 Marks)

Q7: Write a program to enter positive values only then count number of the entered positive values and their sum . **Note that** the program will be terminated with the first entered negative number)

(7 Marks)

Q8: Write a console application program to arrange array of numbers in an ascending order

(7 Marks)

Q9: Write a program to print out the product table for numbers from 1 to 12.

(7 Marks)

Q10: Write a VB.Net program print out the following shape with **n** rows :

```
*********
 *******
  *****
   ***
    *
```

(10 Marks)

Q11: Write a program to print out the sum of all odd numbers that accepts the division by 3 lies on the secondary diagonal of a square matrix.

(10 Marks)

Q12: Write a console application program to count digits , capital letters and special characters in a string , each in different counter , then print out the three counters.

(10 Marks)

With My Best Wishes
Dr. Marwa F. Areed
24/ 1/ 2012