NATIONAL OPEN UNIVERSITY OF NIGERIA
14/16, Ahmadu Bello Way, Victoria Island

SCHOOL OF SCIENCE AND TECHNOLOGY
October, 2013 Examination

Course Code: CIT 351   **Time:** 3hrs

Course Title: C# Programming   **Course Credit Unit:**
     2

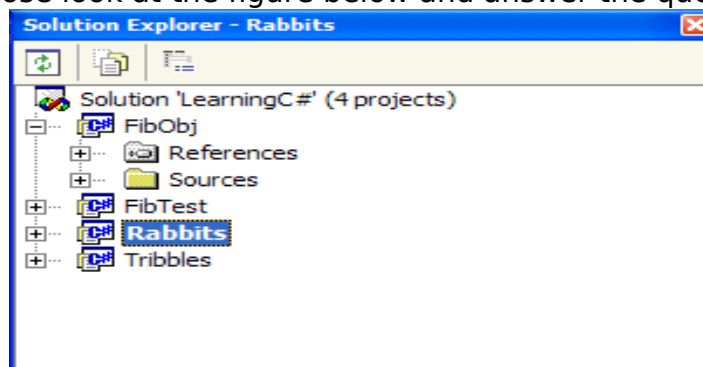**Instruction:**   Answer any **four (4)** questions.

QUESTIONS

1a. Name any 2 regular C# primitive types and their corresponding aliases.
      (8 marks)
1b.What is the relationship between C# and the .NET Framework.
      ($3^1/_2$marks)
1c. How are memory address pointers used in C#?   (6 marks)

[Total = 17$_{1/2}$ marks]

2. Take a close look at the figure below and answer the questions that follow:

2a.Name and give a concise description of what this figure depicts.
      (8 marks)
2bHow are statements grouped in C# Programming?
      (5$_{1/2}$ marks)
2c.Write down two vital programming tasks accomplished in Visual Studio.Net.
      (4 marks)

[Total = 17$_{1/2}$ marks]

3a. State any two (3) rules that apply to C# code syntax.
      (9 marks)
3b. Write down the corresponding class of operator for the following operators:
   i. $\pm$ (2 marks)
   ii. %   (2 marks)
   iii. &   (2 marks)
   iv. *   (2 marks)
   v. $\leq$ ($_{1/2}$ marks)
   vi. +   **[Total = 17$_{1/2}$ marks]**

4a. Outline the procedure required to compile a file named Maple.cs by means of a
      command line compiler
      (7$_{1/2}$marks)
4b. Give a brief description of the following:

    i.   Boxing   (5
       marks)

   ii.   Unboxing   (5 marks)

[Total = $17\frac{1}{2}$ marks]

5a. Name the major categories of static property used in C# Programming (9 marks)

5b. In the event that you are asked to create a new project in VS.Net explain briefly how you will achieve this task.　　　　　　　　　　　($8\frac{1}{2}$ marks)

[Total = $17\frac{1}{2}$ marks]