NATIONAL OPEN UNIVERSITY OF NIGERIA,
14/16 AHMADU BELLO WAY, VICTORIA ISLAND, LAGOS.
SCHOOL OF SCIENCE AND TECHNOLOGY
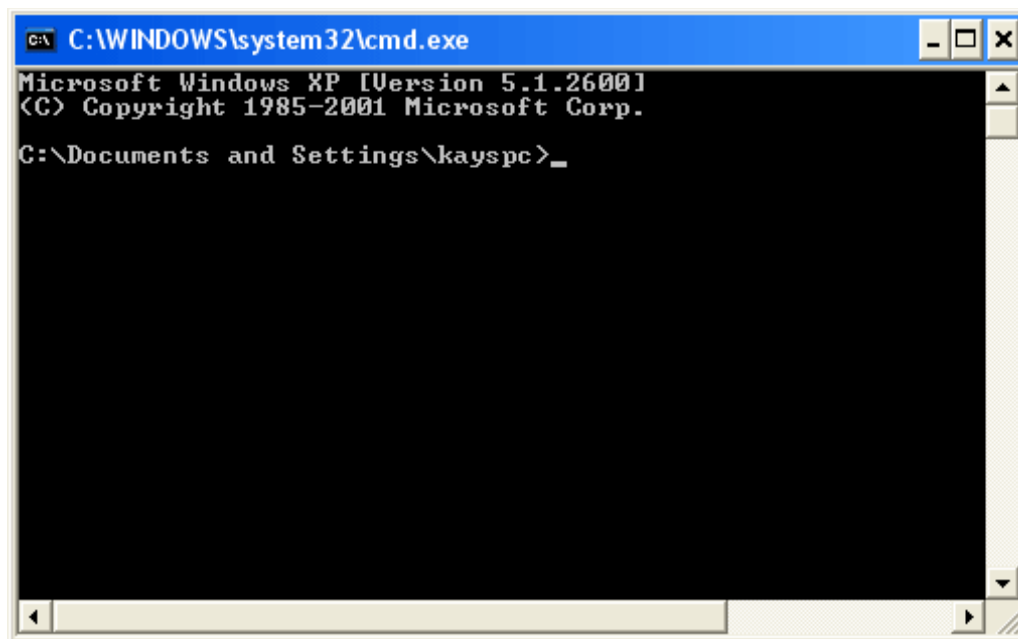**SEPTEMBER/OCTOBER 2016 EXAMINATION**

COURSE CODE: CIT 834
COURSE TITLE: Object-oriented Programming Using C#
TIME ALLOWED: 3 Hours
INSTRUCTION: Answer any five (5) questions.

1. Study the figure below carefully and answer the questions that follow:

1a. Give any 2 reasons why this application is considered suitable for learning object-
    oriented programming using the C# and utility programs?   (4 marks)

1b. State the procedure involved in creating a new Console Application project.
                                                                      (10 marks)

[Total = 14 marks]

2a. Write any five (5) distinctive features of Static constructors   (10 marks)

2b. Give a brief description of method overloading (4 marks)

[Total = 14 marks]

3. Enumerate the steps required to build a novel class to represent a triangle. The class should be created in such a way that it will define the triangle's height, base-length and area.

[Total = 14 marks]

4a. State any two characteristics of object-oriented programming. (8 marks)

4b. Write down the specific criterion for using the static property. (6 marks)

[Total = 14 marks]

5a. Within the context of programming using C#, what solution would you proffer, in the event that a web service from Microsoft .NET client sample does not connect through a proxy server? (4 marks)

5b. Outline the basic steps required to build a sample in C#. (10 marks)

[Total = 14 marks]

6a. Give a brief definition of the following terms:
   i.   Keyword   ) 5 marks each
   ii. Namespace

6b. What determines the type of setup Instruction used for C# Development?
(4 marks)
[Total = 14 marks]

7a. Explain the concept of 'private method' within the context of object-oriented programming using C#. (8 marks)

7b. State syntax for adding two integer variables to a Parallelogram class. (6 marks)
[Total = 14 marks]