NATIONAL OPEN UNIVERSITY OF NIGERIA,
PLOT 91 CADASTRAL ZONE, NNAMDI AZIKIWE EXPRESSWAY,
JABI – ABUJA
FACULTY OF SCIENCES

MARCH 2018 EXAMINATION

COURSE CODE: CIT 351
COURSE CREDIT: 2
COURSE TITLE: C# PROGRAMMING
TIME ALLOWED: 2 Hours
INSTRUCTION: Answer question 1 and any other three (3) questions; **Total score = 70**

QUESTIONS

1a. Assuming you were invited to an interview in a Software development firm and the
   panellists asked you to convince them of the significance of 'statements' for program
   execution in C# Programming. What reasons would you give to persuade them?
                                                                    (10 marks)

1b. How are naming standards derived in C# Programming?   *(4 marks)*

1c. Assuming you are required to build a C# application on a notebook running
    Windows, state the minimal requirements to be met prior to building this application.
                                                                    (11 marks).
                                                [Total = 25 marks]

2a. Outline the procedure required to generate and run an application saved as
   Assessment.cs   (8 marks)

2b. State the standard rule for accomplishing the following tasks in C# Programming:
       i.   Designating an end statement.   *(2 marks)*
       ii.   Enhancing source code legibility   *(2 marks)*

2c. List the three (3) permissible forms of comments allowed in C#.   (3 marks)

                                                [Total = 15 marks]

3a. Explain the statement 'C# is a programming language designed for the Common
    Language Infrastructure.   (4 marks)

3b. Give a short explanation of the following C# Primitives:
   i.   String   (1 mark)
   ii. Int64   (1 mark)
   iii. SByte   (1 mark)

    iv. Char   (1 mark)

    v. Object   (1 mark)

3c. List three (3) core tasks that can be performed in a C# project within the
    VisualStudio.NET setting.   (6 marks)

[Total = 15 marks]

4a. Give a concise description of how memory leaks are handled in C# programming.
        (1 mark)

4b. Write down the procedure of grouping 'statements' in C# Programming. (8 marks)

4c. State the three (3) main categories of Static properties commonly employed in C#
    programming.   (6 marks)

[Total = 15 marks]

5a. Generally, VisualStudio.NET is regarded as an Integrated Development Environment.
    State five (5) good reasons to support this statement.   (10 marks)

5b.Write down the command for building a console application named **NOUN.cs** within
    the hard drive.   (2 marks).

5c. Give a concise description of the concept of case-sensitivity in C# programming
    language.   (3 marks)

[Total = 15 marks]