NATIONAL OPEN UNIVERSITY OF NIGERIA,
PLOT 91, CADASTRAL ZONE, UNIVERSITY VILLAGE, JABI – ABUJA
FACULTY OF SCIENCES
DEPARTMENT OF COMPUTER SCIENCE
2021_1 EXAMINATIONS 1234

COURSE CODE: CIT 351
COURSE TITLE: C# PROGRAMMING
COURSE CREDIT: 2 UNITS
TIME ALLOWED: 2 HOURS
INSTRUCTION: ANSWER QUESTION 1 AND ANY OTHER THREE (3) QUESTIONS

QUESTIONS

1a. State any eight (8) distinguishing features of C Sharp language   (**8 marks**)

1b. Name and briefly describe the platform that runs C Sharp applications   (**2 marks**)

1c. Why is C Sharp said to be a strongly typed language?   (2**marks**)

1d. I. Outline any eight (8) acceptable naming conventions in C Sharp   *(8 marks)*

II. Highlight and briefly elucidate on any two (2) aims of European Computer Manufacturers
Association.   **(5 marks)**

2a. Using any number of program statement(s) in the same program class, declare two (2)
variables with the following parameters;

      Variable Name: "CourseName",
      Type: "string",
      Value: "Advanced Programming".

      Variable Name: "CreditUnit"
      Type: "integer"
      Value: 2   *(3 marks)*

2b. Give the aliases for any ten (10) Primitives in C Sharp language   (**10 marks**)

2c. What is a statement in C Sharp language?   (**2 marks**)
                                                                      [Total = 15 marks]

3a.

i. Given the program statements written below; why will the compiler return a compiler error on the name of the variable? *(3 marks)*

    Int MyScore;

    myScore = 100;

    Console.WriteLine(MyScore);

ii. Write the correct program code for the program in (i) above. **(3 marks)**

3b. Distinguish between the following;
      i. signed and unsigned integers
      ii. Byte and SByte
      iii. UInt16 and UInt32 **(9 marks)**

4a. Identify and analyse any six (6) design goals of C Sharp language. **(9 marks)**

4b. List and explain the syntax Ground Rules in C sharp Language **(6 marks)**

5a. Write a short note on Operators in C Sharp language **(4 marks)**

5b. List and describe the four (4) common features of object oriented language supported by the C# language **(8 marks)**

5C. Describe a statement block in C Sharp language **(3 marks)**