NATIONAL OPEN UNIVERSITY OF NIGERIA
UNIVERSITY VILLAGE, PLOT 91, CADASTRAL ZONE, NNAMDI AZIKIWE
EXPRESS WAY, JABI, ABUJA
DEPARTMENT OF COMPUTER SCIENCE
FACULTY OF SCIENCE
2021_2 SEMESTER

COURSE: CIT 351 – C# PROGRAMMING
CREDIT UNIT: 2
TIME ALLOWED: 2 HOURS
INSTRUCTIONS: ANSWER QUESTION 1 AND THREE (3) OTHER QUESTIONS

1) (a) Explain the following:

  (i)   Namespace   *(2 mark)*
 (ii)   Statement   *(3 marks)*

1b) Enumerate the steps involved in building and running the following:

   (i)   HelloGUI.cs   **(3 marks)**
   (ii)   Console Application   **(3 marks)**
   (iii)   Code Library   **(3 marks)**

(c) Summarise the process of compiling the GUI application   *(5 marks)*

(d) Briefly explain the console application and give one sample   *(6 mark*

2) (a) Give an overview of the concept of VS.NET   *(3 marks)*

(b) Describe the common template types in VS.NET   *(12 marks)*

3) (a) Explain the basic rules that apply to C# code syntax   *(6 marks)*

(b) Analysed any 9 primitive types in C# and their corresponding aliases   *(9 marks)*

4) (a) Identify the steps involved in building:

  (i)   Code Library *(4 marks)*
 (ii)   An app to test a code library *(4 marks)*

(b) State the similarities and difference between 'Building a Code Library' and 'Building an App to Test a Code Library' *(7 marks)*

5) (a) What is the role of operators in C#   *(2 marks)*

(b) Defends how to modify precedence of operators   (*3 mark*

(c) With the aid of a table outline 10 (ten) operators categories used in C#   *(10 marks*)