



**NATIONAL OPEN UNIVERSITY OF NIGERIA**  
**UNIVERSITY VILLAGE, PLOT 91, CADASTRAL ZONE, NNAMDI AZIKIWE**  
**EXPRESS WAY, JABI, ABUJA**  
**DEPARTMENT OF COMPUTER SCIENCE**  
**FACULTY OF SCIENCE**  
**2020\_1 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)**