



**NATIONAL OPEN UNIVERSITY OF NIGERIA,
PLOT 91 CADASTRAL ZONE, NNAMDI AZIKIWE EXPRESSWAY, JABI – ABUJA
FACULTY OF SCIENCES
DEPARTMENT OF COMPUTER SCIENCE
2022_1 EXAMINATION**

COURSE CODE: CIT351

COURSE CREDIT: 2

COURSE TITLE: C# PROGRAMMING

TIME ALLOWED: 2 Hours

INSTRUCTION: Answer question 1 and any other TWO (2) questions

QUESTION

- 1a Write a short note on Language Name (C#) (5marks)
- 1b. Define the Boxing and unboxing concept as it relates to the C#'s type system. 5Marks
- 1c. Write short note on any five notable distinguishing features of C# (10marks)
- 1d. State the four ECMA Specifications (5marks)
- 1e. State any five points, ECMA International Standard does not specify for C# (5 marks)

- 2a. Write short note on C# Platform (5 marks)
- 2b. State any five major differences between C# and .NET Framework (5 marks)
- 2c. Mention and explain with example each, the different styles of comments allowed in C#. (10Marks)

- 3a. Write a do_loop code snippet in C# to generate numbers from 1 to 10 in reverse order in a column (5marks)
- 3b. Mention the Common Datatypes and their specifications in C#. 8 Marks
- 3c. What are Managed Applications? 2 Marks
- 3d. State five (5) common operators used to manipulate data in variables. 5 Marks

- 4a. Write a C# Sharp program to print “Hello” and your name in a separate line as a complete GUI application. (10 Marks)
- 4b. Outline the steps to compile and run the program “Exam7” from a command prompt. (6Marks)
- 4c. Itemize the available looping methods exists in C#.net (4Marks)
- 5a. Mention and describe five (5) Common Template Types available when a New Project is initiated in VS.NET. (10Marks)
- 5b. Mention four (4) basic rules that apply to C# code syntax. (8Marks)
- 5c. When are the terms Managed Code and Managed Application usually employed? (2Marks)