

**ABUJA
FACULTY OF SCIENCE
2023_2 EXAMINATIONS**

COURSE CODE: CIT834

COURSE TITLE: Object Oriented Programming using C#

CREDIT: 3 Units

TIME ALLOWED: 2½ Hours

INSTRUCTION: Answer Question ONE (1) and any other FOUR (4) Questions

1(a) Differentiate between a floating point number and double number (use example to illustrate your point. [4 marks]

(b) List the process of programming in an object oriented Language [3 marks]

(c) Give 5 properties of static constructors[5 marks]

(d) Demonstrate the relationship between polymorphism and object-oriented Programming [3 marks]

(e) Demonstrate syntactically the creation of methods in C# [3 marks]

(f) Give 4 CLR features with their descriptions [4 marks]

2(a) How can the properties of instantiated objects be accessed?[4 marks]

(b) Justify the of method overloading [4 marks]

(c) Demonstrate with an appropriate example the concept of the state of an object [4 marks]

3(a) How useful are methods in C# [4 marks]

(b) Justify the importance of garbage collection in the process of object creation?[[marks]

(c) Give the following information about static property; (i) Condition for adding static property to a class (ii) condition for using a static property [4 marks]

4(a) Demonstrate syntactically the declaration of a binary operator and explain each line of the declaration [6 marks]