# 2022

## ( Held in 2023 )

# PROGRAMMING WITH C#

Paper : BCA–SE–3024

*Full Marks : 50*

Time : Two hours

**The figures in the margin indicate
full marks for the questions.**

1. Answer the following questions :

$1 \times 5 = 5$

(a) What is C# ?

(b) Write *two* applications of C#
programming.

(c) What do you mean by private access
modifiers in C# ?

(d) Write basic data types used in C#.

(e) What is stack in C#?

2. Answer *any five* questions : 2×5=10

(a) Define C# variables and C# operators.

(b) What do you mean by class and object in C# ?

(c) Define constructor and destructor in C#.

(d) What do you mean by abstract classes in C# ?

(e) Define 'while' and 'do while' loops in C#.

(f) Define I/O stream class in C#.

(g) Define managed and unmanaged codes in C#.

3. Answer *any seven* questions : 5×7=35

(a) Briefly explain C# polymorphism with example.

(b) Briefly explain interface in C# with example.

(c) Write the different steps to install visual studio for C# in Windows.

(d) Briefly explain Arrays in C# with example.

(e) Write a program in C# which takes your information (name, age, address, marks etc.) as input and print your information.

(f) Write a program in C# to illustrate single inheritance.

(g) Write a program in C# to read the contents of the file.

(h) Write a program in C# to perform bubble sort.

(i) Write a program in C# to perform matrix addition.

(j) Write a program in C# to kill a thread.

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