ND—12—2023

FACULTY OF COMPUTER STUDIES

B.Sc. (CS) (Third Year) (Fifth Semester) EXAMINATION

NOVEMBER/DECEMBER, 2023

(CBCS/Revised Pattern)

COMPUTER SCIENCE

BCS–501

(Windows Programming)

(Saturday, 2-12-2023)   **Time : 10.00 a.m. to 1.00 p.m.**

Time—3 Hours   *Maximum Marks—75*

N.B. :—   (i)   *All* questions are compulsory.

      (ii)   Figures to the right indicate full marks.

      (iii)   Assume suitable data, if required.

1.   Attempt any *five* of the following (**3** marks each) :   15

   (a)   Explain advantages of ADO.Net.

   (b)   What is .NET ?

   (c)   Explain try and catch block.

   (d)   Explain ref and out keyword.

   (e)   Explain .Net frameworks types.

   (f)   Explain important classes used in windows programming.

   (g)   Explain intelligence features of Visual Studio IDE.

2. Attempt any *three* of the following (**5** marks each) :   15

   (*a*)   Explain .Net Architecture in detail.

   (*b*)   Explain difference between Java and C#.

   (*c*)   Explain array in C#. Net.

   (*d*)   Explain TextBox properties in detail.

   (*e*)   Explain form properties and event.

3. Attempt any *three* of the following (**5** marks each) :   15

   (*a*)   Write a program for demonstration of finally block.

   (*b*)   Explain C# function.

   (*c*)   Explain ListBox control methods.

   (*d*)   What is delegate types of delegate ?

   (*e*)   Explain Dialog Boxes in C#.Net.

4. Attempt any *three* of the following (**5** marks each) :   15

   (*a*)   Explain concept of Indexers.

   (*b*)   Explain ArrayList class in C#.

   (*c*)   Explain connected data access.

(*d*) Explain creating and using interfaces.

(*e*) Explain CLR in detail.

5. Write short notes on any *three* of the following (**5** marks each) : 15

(*a*) Custom exception

(*b*) Namespace (DLL Library)

(*c*) Project types

(*d*) Custom events

(*e*) Dataset objects.