Seat No. _____

BACHELOR OF COMPUTER APPLICATION Examination

BCA Semester - 4 APRIL 2025 (Regular) APRIL - 2025

CS-23: PROGRAMMING WITH C#

Faculty Code : 003

Subject Code : 23SI-BCAP-MA-04-09001

Time : 2 Hours] **[Total Marks : 50**

Q.1 (A) **Fill in the blanks** 3

1. CLR stands for _____
2. CTS stands for _____
3. CLS stands for _____

Q.1 (B) What is metadata in C# ? 2

Q.1 (C) Explain Conditional Statements in C#. 5

OR

Q.1 (A) **Fill in the blanks** 3

1. BCL stands for _____
2. FCL stands for _____
3. MSIL stands for _____

Q.1 (B) What is JIT in C# ? 2

Q.1 (C) Explain Types of Projects in C# 5

Q.2 (A) **Fill in the blanks** 3

1. A _____ method is called automatically when an class object is created
2. The _____ keyword is used to prevent a class from being inherited
3. In C#, a class can inherit from only one _____ class

Q.2 (B) What is HashTable C# ? 2

Q.2 (C) Explain Constructor Overloading and Method Overloading with example 5

OR

Q.2 (A) **Fill in the blanks** 3

1. _____ inheritance allows a class to implement multiple interfaces
2. The _____ method returns the value of Property
3. The _____ method assigns the value to Property

Q.2 (B) What is Encapsulation ? 2

Q.2 (C) Explain Inheritance in C# with example 5

Q.3 (A) **Fill in the blanks** 3

1. MDI stands for _____
2. SDI stands for _____
3. _____ is basic input control

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Q.3 (B)	Explain Panel Control in C#	2
Q.3 (C)	Explain various DialogBoxes in C#	5

OR

Q.3 (A)	**Fill in the blanks** **1.** _____ is default method of MessageBox **2.** _____ is default event of timer control **3.** _____ is basic output control	3
Q.3 (B)	Explain GroupBox Control in C#	2
Q.3 (C)	Explain MenuStrip, ContextMenuStrip and ToolStrip with properties	5
Q.4 (A)	**Fill in the blanks** **1.** The _____ method is used to open a database connection in ADO.NET **2.** The _____ method is used to close a database connection in ADO.NET **3.** ODBC stands for _____	3
Q.4 (B)	What is Disconnected Architecture in ADO.NET ?	2
Q.4 (C)	Explain DataGridView using ADO.NET with example	5

OR

Q.4 (A)	**Fill in the blanks** **1.** DAO stands for _____ **2.** The _____ method is used to execute SQL/OleDb commands **3.** The _____ is an integer value that indicates the number of rows affected by the SQL / OleDb command	3
Q.4 (B)	What is Connected Architecture in ADO.NET ?	2
Q.4 (C)	Explain Dataset, DataAdapter and DataReader using ADO.NET with example	5
Q.5 (A)	**Fill in the blanks** **1.** All report data comes in _____ section in Crystal Report **2.** _____ control is a way of making a custom, reusable component in C# **3.** _____ section displays data on Top of page in Crystal Report	3
Q.5 (B)	What is Special Field in Crystal Reports ?	2
Q.5 (C)	Explain Formula field and Summary field in Crystal Report	5

OR

Q.5 (A)	**Fill in the blanks** **1.** All report heading data comes in _____ section in Crystal Report **2.** _____ is First section of Crystal Report **3.** _____ is Last section of Crystal Report	3
Q.5 (B)	What is Summary Field in Crystal Reports ?	2
Q.5 (C)	Explain User Control with example in C#	5

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