

Enrolment No. 102C7BMCS2122038

**NATIONAL FORENSIC SCIENCES UNIVERSITY, DELHI CAMPUS**  
**B. Tech. – M. Tech. Computer Science and Engineering (Cyber Security)**  
**Semester- IV**

**Mid Semester Examination (April, 2023)**

**Subject Code: CTMTCSE SIV P6**

**Subject Name: .Net Programming**

**Time: 90 minutes**

**Total Marks: 50**

**Instructions:**

1. Attempt all questions.
2. Make suitable assumptions wherever necessary.
3. Figures to the right indicate full marks.

			Marks
Q.1	(a)✓	How can we create constructor? Explain with example.	04
	(b)✓	WAP to display addition, subtraction, multiplication and division of two numbers using console application.	05
	(c)	Differentiate between Static and Non-Static Members Constructors	07
Q.2	(a)	WAP to display the sum of first 10 natural numbers using console application	06
	(b)	Differentiate between Sealed Class & Abstract Class	06
	(c)	What is the purpose of encapsulation? Explain with example.	06
Q.3	(a)	What is the usage of a. Int.parse ( ) function b. String ( ) function c. Console.writeline ( ) function d. Console.readline ( ) function	08
	(b)	Explain inheritance. Which type of inheritance is not supported in .Net framework?	08

**-END OF PAPER-**

Seat No.: 7277

Enrolment No. 102CTBMC82722038

**NATIONAL FORENSIC SCIENCES UNIVERSITY**

**B. Tech. – M. Tech. Computer Science and Engineering (Cyber Security)**

**Semester – IV (July 2023)**

**Subject Code: CTBTCSE SIV P6**

**Date: 10/07/2023**

**Subject Name: .Net Programming**

**Time: 11:00 AM to 2:00 PM**

**Total Marks: 100**

**Instructions:**

1. Write down each question on separate page.
2. Attempt all questions.
3. Make suitable assumptions wherever necessary.
4. Figures to the right indicate full marks.

		Marks
<b>Q.1</b>	<b>Attempt any three.</b>	
(a)	Explain inheritance. Which type of inheritance is not supported in .Net framework?	08
(b)	Design a program to provide connectivity with ADO.NET for adding, searching, editing, deleting as bound mode (connected architecture).	08
(c)	<b>Explain any 4 with example: -</b> I. Int.parse ( ) function II. String ( ) function III. Console.writeline ( ) function IV. Console.readline ( ) function V. Onclick ( ) function	08
(d)	What is .NET Framework? Discuss its various advantages and IDE versions.	08
<b>Q.2</b>	<b>Attempt any three.</b>	
(a)	Explain different collection class in C# Programming.	08
(b)	Define a private assembly and a shared assembly also describe the parts of assembly in .net framework.	08
(c)	Explain types of state management in ASP .Net Techniques.	08
(d)	Write down the steps to connect a Database Table in GridView? Elaborate with example.	08
<b>Q.3</b>	<b>Attempt any three.</b>	
(a)	<b>Differentiate between</b> I. Static and Non-Static Members II. Sealed Class & Abstract Class	08
(b)	Design an application to display addition, subtraction, multiplication and division of two numbers using console application.	08
(c)	Design C# application to display the sum of first 10 natural numbers using console application	08
(d)	Explain the concept of Connected and Disconnected Architecture.	08



**Q.4**

**Attempt any two.**

- (a) ✓ Explain various types of data types with examples? 07
- (b) Explain various types of loops with examples? 07
- (c) ✓ Explain different data providers in ADO .Net that we can use in our application while using .NET Framework 07

**Q.5**

**Attempt any two.**

- (a) ✓ How can we create constructor? Explain the type of constructor with example. 07
- (b) Write a short note on CLR, CTS and CLS. 07
- (c) ✓ What is the purpose of encapsulation? Explain with example. 07