

Enrolment No. 102C7BMCS

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.: [REDACTED]

Enrolment No. 102C7BMC827 [REDACTED]

NATIONAL FORENSIC SCIENCES UNIVERSITY
B. Tech. – M. Tech. Computer Science and Engineering (Cyber Security)
Semester – IV (July 2023)

Subject Code: CTBTCSE SIV P6
Subject Name: .Net Programming
Time: 11:00 AM to 2:00 PM

Date: 10/07/2023

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
Q.1	Attempt any three.	
(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)	Explain any 4 with example: - 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
Q.2	Attempt any three.	
(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
Q.3	Attempt any three.	
(a)	Differentiate between 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