Enrolment No. 102CTBMCS

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:

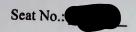
1. Attempt all questions.

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-



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 | Date. 10/0//2023 |
| 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 |
|-----|---|-------|
| Ç | 2.1 Attempt any three. | |
| | (a) Explain inheritance. Which type of inheritance is not supported in .Net | 08 |
| | framework? | |
| | (b) Design a program to provide connectivity with ADO.NET for adding, | 08 |
| | searching, editing, deleting as bound mode (connected architecture). | |
| | (c) Explain any 4 with example: - I. Int.parse () function | 08 |
| | II. String () function | |
| | III. Console.writeline () function | |
| | IV. Console.readline () function | |
| | V. Conclick () function | |
| | (d) What is .NET Framework? Discuss its various advantages and IDE versions. | 08 |
| Q.2 | p may the out | |
| | (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 | 08 |
| | I. Static and Non-Static Members | 00 |
| | II. Sealed Class & Abstract Class | |
| | (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 | 08 |
| | console application | 00 |
| | (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 |