

## Course Name: .Net Framework and C# Programming

### Course Outcomes (CO):

At the end of this course students will be able to

1. Understand the concept of .Net Framework and C# language fundamentals.
2. Evaluate C# OOPs concept and the .NET framework namespace contents.
3. Develop the console and GUI applications using C# .Net
4. Understanding of c# assembly, thread, app domain, serialization and Remoting concept
5. Set up various navigation techniques for integrating web pages using ASP.NET Controls within the site.
6. Create the dynamic web page using ASP.NET Controls which interact with databases.
7. Understand working of XML with web application.

**Model Question Paper**  
**Total duration (H: M): 03:00**  
**Course: .Net Framework and C# Programming**  
**Maximum Marks: 100**

Q. No.	Questions	Marks	CO	BL
1a.	Explain the process of the compilation and execution of .NET applications programs.	5	CO1	1
1b.	Write a program to compare three numbers and display the largest number	5	CO3	5
1c.	Write an ADO.NET code to insert the record into the employee table containing column such as Employee Id, Employee Name, and Salary etc	5	CO6	5
1d	What is the difference between overloading and overriding methods?	5	CO2	2
2a.	How thread are created and used in c#.	5	CO4	4
2b.	Discuss the difference between CTS and CLS? And their importance in context of .Net Architecture	5	CO1	1
2c.	Explain term – ExecuteNonQuery, Execute scalar, Execute Reader.	5	CO6	3
2d.	Explain about the different types of web validation controls.	5	CO5	2
3a.	How class is created and used in VB.NET. Create a class called Employee with data member empno, ename, age, salary and the following methods: 1) Calculation of Salary 2) Calculation Of Experience 3) display the details about the employee.	10	CO3	5
3b.	Explain ASP.NET architecture. What are the steps ASP.NET page life cycles?	10	CO5	2
4a.	What are the elements of assembly? How they are created	10	CO4	4

	and used			
4b.	Explain the architecture of .NET. What are the main functions of CLR?	10	CO1	1
5a.	Describe the architecture of ADO.NET with neat diagram. What are the concepts of connected and disconnected database in ADO.NET	10	CO6	3
4c.	Why XML is used. Explain the various building element of XML document	10	CO7	3

