

GUJARAT TECHNOLOGICAL UNIVERSITY**BE - SEMESTER-VI (NEW) EXAMINATION – WINTER 2023****Subject Code:2160711****Date:13-12-2023****Subject Name:.Net Technology****Time:02:30 PM TO 05:00 PM****Total Marks:70****Instructions:**

1. Attempt all questions.
2. Make suitable assumptions wherever necessary.
3. Figures to the right indicate full marks.
4. Simple and non-programmable scientific calculators are allowed.

	MARKS
Q.1 (a) Explain DLL Hell Problem in detail.	03
(b) Explain assembly with manifest in detail.	04
(c) Draw neat and clean diagram of .Net Framework. Explain its important components.	07
Q.2 (a) Differentiate Array and Array List in .net with example.	03
(b) What is constructor? Explain various constructor with example.	04
(c) What is Structured Error Handling in C#.NET? Explain DividebyZeroException with example.	07
OR	
(c) Write a C# program console application to define shape class and derive circle and rectangle from it to demonstrate inheritance.	07
Q.3 (a) Discuss C# Reflection API using an example.	03
(b) Explain use of Master page in ASP.Net.	04
(c) Explain Property and Indexer in C# with example.	07
OR	
Q.3 (a) Explain GDI+ in detail.	03
(b) Write a C# program to copy data from one file to another using StreamReader and StreamWriter class.	04
(c) What is Dialog? Explain FolderBrowserDialog, OpenFileDialog and FontDialog in detail	07
Q.4 (a) Explain ExecuteNonQuery method for command object.	03
(b) Write a C# code to bind data to DataGrid for the given table. Table: Product (ItemId, ItemName, Quantity, Itemrate, Amount).	04
(c) Draw and explain ADO.Net architecture in detail.	07
OR	
Q.4 (a) What is View State? Explain with example.	03
(b) Explain in brief ASP .NET Page Life cycle.	04
(c) Write a C# code to insert data into Sql server database for the given table. Table: Employee (EmpId, EmpName, DeptCode, Designation, BasicSalary).	07

- Q.5** (a) Write a short note on WPF. **03**
(b) What is validation in web application? Explain any two validation controls in detail. **04**
(c) What is webservice? Create a web service to add two numbers. Also give code to consume it. **07**

OR

- Q.5** (a) Explain WCF instancing services. **03**
(b) Explain AdRotator Control with example. **04**
(c) What is state management? Explain Session and Cookie with suitable example. **07**
