

GUJARAT TECHNOLOGICAL UNIVERSITY

BE - SEMESTER-VI EXAMINATION – SUMMER 2025

Subject Code:2160711

Date:30-05-2025

Subject Name: .Net Technology

Time:10:30 AM TO 01:00 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) Give the significance of constructor in C#.	03
	(b) List the components exist in .Net framework architecture and explain any two in detail.	04
	(c) Explain any four Windows Form controls in detail.	07
Q.2	(a) Briefly explain: Namespaces in C#	03
	(b) Design console application to check whether entered number is even or odd.	04
	(c) Design Windows Form application for performing basic arithmetic operations (addition, multiplication, division) using RadioButton, TextBox, Label, Button and MessageBox.	07
	OR	
	(c) Explain Reflection API in detail.	07
Q.3	(a) List and explain different datatypes available in C#.	03
	(b) Demonstrate the use of Menu control with an example.	04
	(c) Give the significance of DataTable, SqlCommand and SqlConnection in ADO.NET.	07
	OR	
Q.3	(a) Demonstrate the significance of ToString() method in C#.	03
	(b) Write short note on GDI+.	04
	(c) Design ASP.NET application (Draw rough UI of webform with required controls) for Student Registration and Login.	07
Q.4	(a) Demonstrate the implementation of inheritance in C#?	03
	(b) How to handle exceptions in C#?	04
	(c) Explain the significance of Dataset and SqlDataSource in ADO.NET.	07
	OR	
Q.4	(a) Briefly explain: GridView control in ASP.NET	03
	(b) What is the significance of Master Page in ASP.NET?	04
	(c) Demonstrate the use of any four ASP.NET Validation controls with an example.	07
Q.5	(a) Demonstrate the use of ApplicationState with example.	03
	(b) How DataList control can be used in ASP.NET?	04
	(c) Explain in detail: Session and Cookie	07
	OR	
Q.5	(a) How Repeater control can be used in ASP.NET?	03
	(b) Briefly explain the concept of WCF.	04
	(c) Create an ASP.NET web service which returns factorial of the entered number.	07
