

GUJARAT TECHNOLOGICAL UNIVERSITY**BE - SEMESTER-VI (NEW) EXAMINATION – SUMMER 2023****Subject Code:2160711****Date:14-07-2023****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) What is the difference between Managed Code and Unmanaged Code?	03
	(b) Define the terms MSIL, CLS, CTS, JIT	04
	(c) Explain .net framework architecture with its features.	07
Q.2	(a) Show the managed execution process of .NET program with a diagram.	03
	(b) Write short note on namespaces.	04
	(c) Explain Function Overloading in C#.NET with a program	07
OR		
	(c) Explain StreamReader and StreamWriter classes with a program.	07
Q.3	(a) What is an MDI Form?	03
	(b) What is GDI+? List all Brush classes and explain any two Brush classes.	04
	(c) List and explain any three Windows Form controls.	07
OR		
Q.3	(a) Explain different Execute methods in SqlCommand object for executing queries.	03
	(b) Differentiate ADO and ADO.NET.	04
	(c) Draw architecture of ADO.NET. Discuss its components.	07
Q.4	(a) What is AdRotator Control?	03
	(b) Explain use of Master Page in ASP.NET with example.	04
	(c) What is Validation? Explain various Validation controls of ASP.NET.	07
OR		
Q.4	(a) Explain Structured Error Handling in C#.NET	03
	(b) Explain unsafe code in C#.NET.	04
	(c) Explain ASP.NET Page Life cycle in detail.	07
Q.5	(a) List various ASP.NET Session State Modes.	03
	(b) Write a short note on Global.asax file.	04
	(c) What is state management? Explain Session and Cookie with suitable example	07
OR		
Q.5	(a) Write a short note on Skin files in Themes	03
	(b) Write a short note on WPF, WCF.	04
	(c) What is Web Service? How does a Web Service work?	07
