GUJARAT TECHNOLOGICAL UNIVERSITY
BE- SEMESTER–VI EXAMINATION – WINTER 2025

Subject Code:2160711   **Date:25-11-2025**
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.**

Q.1	**(a)**	Explain in brief: 1. MSIL 2. CLR 3. Versioning	**03**
	(b)	Write a C# program to demonstrate method overloading.	**04**
	(c)	Draw a diagram of the .Net architecture and describe its components.	**07**
Q.2	**(a)**	How garbage collection is managed in .Net?	**03**
	(b)	Write a short note on Namespaces.	**04**
	(c)	What is inheritance? Create C# console application to define Car class and derive Kia and MG from it to demonstrate inheritance.	**07**

OR

	(c)	What is Structured Error Handling in C#.NET? Explain with proper example.	**07**
Q.3	**(a)**	Explain the concept of GDI+ in C#.	**03**
	(b)	Write a short note on .NET assembly.	**04**
	(c)	What is property? Differentiate it with indexer. Also explain Accessibility of Accessors.	**07**

OR

Q.3	**(a)**	Discuss C# Reflection API using an example.	**03**
	(b)	Explain the Data Reader object with suitable example.	**04**
	(c)	List out various events of ASP .NET page life cycle. Explain any two in detail.	**07**
Q.4	**(a)**	Write a short note on MDI form in C#.NET	**03**
	(b)	List windows form controls and explain radio button and checkbox control.	**04**
	(c)	Differentiate between ADO and ADO.NET.	**07**

OR

Q.4	**(a)**	Write a Windows Form Program to display "Welcome to India" in message box when you click on a button.	**03**
	(b)	What is dialog? Explain any one dialog control with its usage.	**04**
	(c)	Explain objects of ADO.NET with syntax and example: SqlConnection, SqlDataAdapter, SqlCommand.	**07**
Q.5	**(a)**	Explain the concept of cookies in ASP.NET.	**03**
	(b)	Differentiate between Master Page and Theme Page in ASP.NET	**04**

	(c)	Enlist Validation controls in ASP.NET and explain any three controls with proper example.	**07**

OR

Q.5	**(a)**	What is WPF? Explain in brief.	**03**
	(b)	Define web services. explain web service components in detail	**04**
	(c)	What is state management? Explain Session and Cookie with suitable example	**07**

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