

**GUJARAT TECHNOLOGICAL UNIVERSITY****BE - SEMESTER– VI (NEW) EXAMINATION – WINTER 2021****Subject Code:2160711****Date:04/12/2021****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.

		<b>MARKS</b>
<b>Q.1</b>	(a) Explain in brief: MSIL, CLR, CTS	<b>03</b>
	(b) Demonstrate the use of CheckBox and RadioButton control.	<b>04</b>
	(c) Write a console application to find area of circle and triangle using the concept of function overloading.	<b>07</b>
<b>Q.2</b>	(a) Write a short note on Namespaces.	<b>03</b>
	(b) Briefly explain the use of RequiredFieldValidator and RangeValidator of ASP.NET with example.	<b>04</b>
	(c) Demonstrate the use of try..catch with an example.	<b>07</b>
<b>OR</b>		
(c)	Write a C# program to generate divide by zero exception and also handle this exception.	<b>07</b>
<b>Q.3</b>	(a) Explain the concept of GDI+ in C#.	<b>03</b>
	(b) Give the use of Windows form control: ToolTip and Menu	<b>04</b>
	(c) Design ASP.NET application for Student registration. StudentTable (Sid, Name, Department, Semester).	<b>07</b>
<b>OR</b>		
<b>Q.3</b>	(a) Briefly explain Pen class and Brush class of GDI+.	<b>03</b>
	(b) Write a C# code to draw and fill rectangle using Rectangle class.	<b>04</b>
	(c) Design ASP.NET application (Draw rough UI of webform with required controls. Write GridView design code and C# code only) with following functionalities: <ol style="list-style-type: none"> <li>1. View Journal details (JName, JPubliser) in GridView</li> <li>2. Delete Journal details from GridView (Use RowCommand)</li> </ol>	<b>07</b>
<b>Q.4</b>	(a) What is the need of Reflection API?	<b>03</b>
	(b) Demonstrate the use of ArrayList with an example.	<b>04</b>
	(c) Explain objects of ADO.NET with syntax and example: SqlConnection, SqlDataAdapter, SqlCommand.	<b>07</b>
<b>OR</b>		
<b>Q.4</b>	(a) Briefly explain the concept of Indexer in C#.	<b>03</b>
	(b) Demonstrate the use of SortedList with an example.	<b>04</b>
	(c) Differentiate between ADO and ADO.NET.	<b>07</b>

- Q.5** (a) Explain the concept of cookies in ASP.NET. **03**  
(b) How Master page can be useful in ASP.NET application? **04**  
(c) Explain the concept of web service with an example. **07**

**OR**

- Q.5** (a) How session can be manage in ASP.NET? **03**  
(b) Briefly explain the concept of WPF. **04**  
(c) Demonstrate the use of Application state with an example. **07**

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