

GUJARAT TECHNOLOGICAL UNIVERSITY**BE - SEMESTER-VI(NEW) EXAMINATION – WINTER 2022****Subject Code:2160711****Date:17-12-2022****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) Draw .Net framework architecture.	03
(b) Write a short note on Namespaces.	04
(c) Fill in the blanks for getting desired output: Desired O/P: 0 1 1 2 3 5	07
<pre> class Program { static void Main(string[] args) { fibo(0, 1, ____); } ____ void fibo(int n1, int n2, int cnt) { if (cnt == 0) { Console._____; } else { Console.Write(" " + ____); fibo(____, ____, ____); } } } </pre>	
Q.2 (a) Write a C# program to generate divide by zero exception and also handle this exception.	03
(b) Explain any two validation controls of ASP.NET with example.	04
(c) Design Windows Form application with one Button, two TextBox and three RadioButton. User can enter string in both the TextBox, RadioButton shows any three string operations. When button is clicked, based on selection of RadioButton, appropriate string operation is to be done on strings entered by user and answer should be prompted in MessageBox.	07
OR	
(c) Design stand-alone Text editor with basic functionalities like File open, save and change font of selected text.	07
Q.3 (a) Briefly explain reflection API with an example.	03
(b) Explain the concept of master page in ASP.NET with example.	04
(c) Demonstrate the use of following controls: 1. Tooltip 2. MenuStrip 3. ColorDialog	07
OR	
Q.3 (a) Give the significance of CheckBox and GroupBox.	03
(b) Demonstrate the use of ArrayList and SortedList in C#.	04

- (c) What is Cookies and Session? How to create Cookies and Session? Explain with its syntax and write ASP.NET program to illustrate the concept of Cookies and Session. **07**
- Q.4** (a) Explain DLL Hell problem with solution. **03**
 (b) Implement Change password functionality using C#. **04**
 (c) Design ASP.NET application (Draw rough UI of webform with required controls. Write GridView Design code and C# code only) with following functionalities: **07**
1. Admin can add Staff details (Sid, Name, Department).
 2. Admin can Edit, Update, Delete Staff information (Name, Department) from GridView (Use CommandField). Department must be entered using DropDownList
- OR**
- Q.4** (a) What is View State? Explain with example. **03**
 (b) Implement functionality for Login (EnrollmentNo, Password) using C#. **04**
 (c) Design ASP.NET application (Draw rough UI of webform with required controls. Write GridView Design code and C# code only) with following functionalities: **07**
1. Staff can add Book details (Bid, BName, BAuthor)
 2. Staff can Delete Book information from GridView (Use RowCommand event).
- Q.5** (a) Write a short note on WPF. **03**
 (b) Demonstrate the use of Repeater control. **04**
 (c) Create an ASP.NET web service to check that entered number is even or odd. Also write the code to consume it. **07**
- OR**
- Q.5** (a) Write a short note on WCF. **03**
 (b) Demonstrate the use of DataList control. **04**
 (c) Create an ASP.NET web service to find factorial of given number. Also write the code to consume it. **07**
