

GUJARAT TECHNOLOGICAL UNIVERSITY
BE – SEMESTER – VI (NEW).EXAMINATION – WINTER 2016

Subject Code: 2160711**Date: 26/10/2016****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.

- Q.1 Short Questions 14**
- 1 What is difference between a CheckBox control and a RadioButton control?
 - 2 How can you enable a text box to change its characters format, so that users can enter password?
 - 3 What is the full form of ADO?
 - 4 What is an IL?
 - 5 Predict the output of the following code segment:


```
int x = 42; int y = 12; int w;
object o;
o = x;
w = y * (int)o;
Console.WriteLine(w);
```
 - 6 Which are the standard prefixes for the text box and label controls respectively?

A.) tex and lbl B.) tex and lab C.) txb and lbl D.) txb and lab E.) txt and lbl
 - 7 Which type of project can a developer choose in the New Project dialog box?

A.) Visual Basic Projects B.) Visual C# Projects C.) Visual C++ Projects
 D.) Both a and b. E.) All of the above.
 - 8 What does IDE stand for?

A.) Integrated Development Environment B.) Integrated Design Environment
 C.) Interior Development Environment D.) Interior Design Environment
 - 9 1. Which of the following statements are TRUE about the .NET CLR?
 1. It provides a language-neutral development & execution environment.
 2. It ensures that an application would not be able to access memory that it is Not authorized to access.
 3. It provides services to run "managed" applications.
 4. The resources are garbage collected.

A). Only 1 and 2 B). Only 1, 2 and 4 C). 1, 2, 3, 4 D). Only 4 and 5
 E). Only 3 and 4
 - 10 Which of the following statements is correct about Managed Code?

A.Managed code is the code that is compiled by the JIT compilers.
 B.Managed code is the code where resources are Garbage Collected.
 C.Managed code is the code that runs on top of Windows.
 D.Managed code is the code that is written to target the services of the CLR.
 E.Managed code is the code that can run on top of Linux.
 - 11 Can we overload the assignment operator in C#? Justify it.
 - 12 In C#, Constructor can return the value. Justify.
 - 13 What are the benefits of GDI+?
 - 14 What is difference between ASP and ASP .NET?
- Q.2 (a) Draw neat and clean diagram of .NET framework. Explain its important components. 03**
- (b) Explain practical importance of Window Application and Web Application. 04**

- (c) Explain the significance of Property and Indexers with example. **07**
- OR**
- (c) Can you explain Constructor and Function Overloading with example? **07**
- Q.3** (a) What do you mean by managed provider? How managed provides are supported in ADO .NET. **03**
- (b) Write C# code to prompt a user to input his/her name and country name and then the output will be shown as an example below: **04**
Hello Ram from country India
- (c) Write and explain properties and methods of OpenFileDialog and SaveDialog with example. **07**
- OR**
- Q.3** (a) Explain Page Life Cycle of ASP.NET. **03**
- (b) Write a C# program which creates windows form with one Button,Textbox.When button is clicked it should display "Hello World" message and display red bgcolor in the textbox **04**
- (c) Write ASP.Net program to Store Objects in Session State and Storing Session State in SQL Server. **07**
- Q.4** (a) What is View State? Explain View sate techniques in ASP .NET. How it is differ from session state. **03**
- (b) Can you explain what is happening in following Controls?
1. Calender 2. AdRotator 3. Gridview 4. ListBound **04**
- (c) Explain practical importance of validation in web development? Explain various Controls for validation in APS.NET with Example. **07**
- OR**
- Q.4** (a) What do you mean by WPF? Explain it in details with all its features. **03**
- (b) What is webservice? Create a web service to add two numbers. Also give code to consume it. **04**
- (c) How can you implement Master page in Web Base? Explain clearly with example **07**
- Q.5** (a) List out various windows form controls. Explain any three of it. **03**
- (b) Write a program to change color of Label text control programmatically in Asp .Net **04**
- (c) Compare Repeater and DataList control with example. **07**
- OR**
- Q.5** (a) Explain unsafe code in C#.NET **03**
- (b) Explain the use of StreamReader and StreamWriter class for FileStream with example. **04**
- (c) Write a ADO .NET(C#) program which shows records from student_master (name, email,city, phone) in DataGridView and GridView. **07**
