

GUJARAT TECHNOLOGICAL UNIVERSITY**BE - SEMESTER– VI (New) EXAMINATION – WINTER 2019****Subject Code: 2160711****Date: 12/12/2019****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 (a) Define Following terms. **03**
1.MSIL 2.Versioning 3.Side by side execution

(b) Explain any two dialogue box controls with properties. **04**

(c) Describe various methods for storing state information in web applications. **07**

Q.2 (a) “C# Constructor can return the value “ - Justify. **03**

(b) Explain Managed Code and Unmanaged Code. **04**

(c) Write a console application to Perform Celsius to Fahrenheit Conversion and Fahrenheit to Celsius conversion. **07**

OR

(c) Explain .Net framework architecture with diagram and also discuss IL, CLR, CTS and CLS. **07**

Q.3 (a) Explain Namespaces in C#. **03**

(b) What is Inheritance? Explain it in brief with suitable example. **04**

(c) What do you mean by structured error handling? Create C# .Net console application to accept 10 numbers from user and find its average. Also handle IndexOutOfRangeException **07**

OR

Q.3 (a) What is End to DLL Hell? **03**

(b) What is GDI+? **04**

(c) Differentiate Array and Array List in .Net with example in C# .Net. Explain various methods of Array List. **07**

Q.4 (a) Explain Garbage Collection in .NET. **03**

(b) Explain usage of following ADO.Net objects with their methods. **04**
1. Connection 2. Data Adapter

(c) What is validation in web application ? List ASP.NET validation controls and explain any three with example. **07**

OR

Q.4 (a) Discuss C# Reflection API using an example. **03**

(b) Explain the Data Reader object with suitable example. **04**

(c) Explain Following Controls. **07**

1.Calender 2. Gridview 3. ListBound

Q.5 (a) What is WPF? Explain briefly. **03**

(b) What is Cookieless Session ID? Explain in brief. **04**

(c) What is webservice? Create a web service to find area of circle. Also give code to consume it. **07**

OR

Q.5 (a) What is View State? Explain with suitable example. **03**

(b) Differentiate between Master Page and Theme Page in ASP.NET **04**

(c) List out various events of ASP .NET page life cycle. Explain any two in detail. **07**
