

GUJARAT TECHNOLOGICAL UNIVERSITY
BE- SEMESTER-VI (NEW) EXAMINATION – WINTER 2020

Subject Code:2160711**Date:01/02/2021****Subject Name:.Net Technology****Time:02:00 PM TO 04:00 PM****Total Marks: 56****Instructions:**

1. Attempt any FOUR questions out of EIGHT questions.
2. Make suitable assumptions wherever necessary.
3. Figures to the right indicate full marks.

| | | MARKS |
|------------|---|-----------|
| Q.1 | (a) What is the importance of web.config file in web application? | 03 |
| | (b) Explain Namespace with example. | 04 |
| | (c) Explain function overloading with example. | 07 |
| Q.2 | (a) Explain Garbage Collection in .NET. | 03 |
| | (b) Explain any four windows form controls. | 04 |
| | (c) Explain .net framework architecture with its features. | 07 |
| Q.3 | (a) Explain compilation process of .NET program. | 03 |
| | (b) Differentiate ADO and ADO.NET. | 04 |
| | (c) Explain Error Handling in C# with example. | 07 |
| Q.4 | (a) Explain ASP.NET page life cycle. | 03 |
| | (b) Differentiate Managed and Unmanaged Code in .Net Framework. | 04 |
| | (c) What is validation in web application? List ASP.NET validation controls and explain any three with example. | 07 |
| Q.5 | (a) What is .NET assembly? Explain in brief. | 03 |
| | (b) What is Delegate? Explain in brief. | 04 |
| | (c) Differentiate Array and Array List in .Net with example in C# .Net. Explain various methods of Array List. | 07 |
| Q.6 | (a) What is GDI+? | 03 |
| | (b) Explain use of Master Page in ASP.NET with example. | 04 |
| | (c) What is web service? Create a web service to add two numbers. Also give code to consume it. | 07 |
| Q.7 | (a) Explain ExecuteNonQuery method for command object. | 03 |
| | (b) Explain View State with example. | 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.8 | (a) Explain CLR and CTS. | 03 |
| | (b) What is dll hell problem? Discuss the solution of dll hell problem in .NET. | 04 |
| | (c) Explain WPF in details. | 07 |
