

**GUJARAT TECHNOLOGICAL UNIVERSITY****BE - SEMESTER-VI (NEW) - EXAMINATION – SUMMER 2018****Subject Code:2160711****Date:08/05/2018****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.

- Q.1** (a) Explain compilation process of .NET program. **03**  
(b) Write a C# program to demonstrate method overloading. **04**  
(c) What is inheritance? Create C# console application to define Car class and derive Maruti and Mahindra from it to demonstrate inheritance. **07**
- Q.2** (a) Write a short note on WCF. **03**  
(b) Explain name spaces with suitable example. **04**  
(c) Explain getter and setter method of property with suitable example. **07**
- OR**
- (c) Explain ASP.NET page life cycle when page is requested for the first time. **07**
- Q.3** (a) What is the importance of web.config file in web application? **03**  
(b) Explain following Dialogs with its usage. **04**  
    i) FontDialog           ii) SaveFileDialog  
(c) What is validation in web development? Explain any three controls for validation in ASP.NET with Example. **07**
- OR**
- Q.3** (a) Draw neat and clean diagram of .NET framework. **03**  
(b) Explain the significance of SQL Connection and SQL Command in database connectivity. **04**  
(c) Give ASP.Net code to rotate advertisements with AdRotator control. **07**
- Q.4** (a) Answer following with respect to ASP .NET page. **03**  
    i. What is Set as Start Page option?  
    ii. Which server is needed to run Page?  
    iii. How to view output of page?  
(b) Differentiate between Managed and Unmanaged Code in .Net framework. **04**  
(c) Create a web service to add two numbers. Also give code to consume it. **07**
- OR**
- Q.4** (a) Explain CLR and CTS. **03**  
(b) Write a program to generate divide by zero exception and handle it. **04**  
(c) Write a web application to demonstrate session and cookie. **07**
- Q.5** (a) List out the features of WPF. **03**  
(b) Differentiate between data reader and dataset. **04**  
(c) What is AJAX? Give ASP.Net code to use Update Panel control. **07**
- OR**
- Q.5** (a) What is dll hell problem? Discuss the solution of dll hell problem in .NET. **03**  
(b) Write a short note on .NET assembly. **04**  
(c) What is Theme? Create skin file to format various controls and give code to apply theme in ASP.Net webpage **07**

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