

**GUJARAT TECHNOLOGICAL UNIVERSITY**  
**BE - SEMESTER- • EXAMINATION – WINTER 2014**

**Subject Code: 170707****Date: 29/11/2014****Subject Name: Advance .Net Technology****Time: 10:30am 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) What is .Net framework? Explain the role of CLR in it. **07**  
(b) Define following **07**  
(1) Metadata (2) Manifest (3) GAC (4) JIT (5) MSIL (6) CLS (7) CTS
- Q.2** (a) What is array in VB.NET? Explain various types of it with example programs. **07**  
(b) What is structured error handling? Explain it with example programs. **07**  
**OR**  
(b) What is inheritance in VB.NET? Write an example program to demonstrate it. **07**
- Q.3** (a) Explain various types of dialogs. **07**  
(b) List out various windows form controls. Explain any three of it. **07**  
**OR**
- Q.3** (a) Write a short note: ADO.NET **07**  
(b) Explain various controls for validation in ASP.NET **07**
- Q.4** (a) Explain data sets and data binding related to ADO.NET **07**  
(b) Write an ASP.NET program to demonstrate cookies. **07**  
**OR**
- Q.4** (a) Write a short note: AJAX **07**  
(b) Write an ASP.NET program to demonstrate the session. **07**
- Q.5** (a) What is web service? Explain how to create and consume web services. **07**  
(b) Explain unsafe code in C#.NET **07**  
**OR**
- Q.5** (a) Explain web service architecture in brief. **07**  
(b) Explain masterpage and theme of ASP.NET **07**

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