

GUJARAT TECHNOLOGICAL UNIVERSITY

BE - SEMESTER-VII • EXAMINATION – WINTER • 2014

Subject Code: 171604

Date: 29-11-2014

Subject Name: Dot Net Technology

Time: 10:30 am - 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 the following terms: **06**
1. Cookie 2. MSIL 3. JIT

(b) Differentiate the following terms: (02 Marks for each) **08**

1. ASP and ASP.NET.	2. Method Overload and Operator Overload.
3. Boxing and Unboxing	4. Finalize() and Dispose()

Q.2 (a) Explain the architecture of Silver light. **07**
(b) Explain Dataset and XML with suitable example. **07**

OR

(b) 1. Explain the multithreading with suitable example. **04**
2. What are the ways for handling the runtime errors in VB.Net? **03**

Q.3 (a)	List out the Validation controls in ASP.NET. Explain any two in detail.	07
(b)	1. Explain ListView Control.	04
	2. Explain Dynamic arrays in VB.Net with suitable example.	03

OR

Q.3	(a) Explain Viewstate and Application with suitable example.	07
	(b) Explain ADO.NET architecture.	07

Q.4 (a)	Explain AdRotator Control with suitable example in ASP.NET.	07
(b)	1. Explain Exception Handling mechanism in brief with example.	04
	2. Write short note on Reflection API.	03

OR

Q.4 (a)	Explain content place holder with example.	07
(b)	Explain hashtable in C#.Net with example.	07

Q.5	(a) Explain CLR in detail.	07
	(b) Create a webservice to check whether the product is available in provided category from the user or not for given database table as shown below. Also write a code to consume mentioned service. Last column (“Available”) indicates 1 if the product is available in respective category else it indicates 0.	07

Database Name: db Product, Table Name: tbl Category

Category Id.	Name	Available
1	Electronics	1
2	Kids	1
3	Sports	0

e.g. if user enters the input- “Sports” then output should be- “Not Available”

OR

Q.5 (a) Explain AJAX in detail. Give ASP.Net code to use UpdateProgress control. **07**

(b) What is web service? Create a web service that multiplies two numbers. **07**
