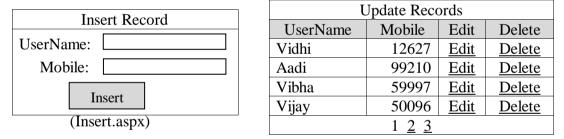
GUJARAT TECHNOLOGICAL UNIVERSITY BE - SEMESTER-VII EXAMINATION – WINTER 2015

| | • | ct Code: 171604 | | | e:04/12/2015 | |
|-----|-----|---|---------------------------|-------|--------------|----|
| Τ | v | ct Name: Dot Net Technolog 10:30am to 1:00pm jons: | gy (Department Elective - | | al Marks: 70 | |
| | | Attempt all questions. Make suitable assumptions whe Figures to the right indicate full | • | | | |
| Q.1 | (a) | Explain the following terms: 1.ViewState 2.CLR 3.CTS | 4.Assembly Manifest | 5.GAC | 6.Delegate | 06 |
| | (b) | Differentiate following terms:1. Boxing and Unboxing.2. VB.Net and C#.Net.3. NameSpace and Assembly. | ž | | C | 08 |

- 4. Server. Transfer and Response. Redirect
- Q.2 (a) Create a web application using C#.Net or VB.Net with Unbound connectivity to 07 insert a record into Insert.aspx webpage (as shown below) and display the same records in GridView control with update and delete facilities in Update.aspx webpage (as shown below) with following conditions:

1. Only last 5 digits of Mobile numbers should be displayed in GridView.

2.Blank Record should not be inserted from Insert.aspx.



(Update.aspx)

| | (b) 1. What is the difference between Datagrid, Datalist and Repeater? | | |
|-----|--|---|----|
| | | 2. Explain FOR EACH statement in VB.Net with suitable example. | 03 |
| | | OR | |
| | (b) | 1. Explain the Thread class with its priorities. Give suitable example. | 04 |
| | | 2. Explain Dispose and Finalization methods. | 03 |
| 0.3 | (a) | Explain ADO.NET architecture. | 07 |
| C | (b) | 1. List out dialog boxes and explain FolderBrowserDialog Control in VB.NET. | 04 |
| | | 2. Create a Console application that accepts your name as a command line argument | 03 |
| | | and display welcome message with your name. | |
| | | OR | |
| Q.3 | (a) | Explain FileUpload Control with suitable example in ASP.NET. | 07 |
| | (b) | List out the Validation controls in ASP.NET and explain any two in detail. | 07 |

| Q.4 | (a) |) What is state management? Explain Session and Cookie with suitable example. | | | | | |
|-----|------------|--|----|--|--|--|--|
| | (b) | 1. Explain TryCatchFinally statement in brief with example. | 04 | | | | |
| | | 2. Write short note on GDI+. | 03 | | | | |
| | | OR | | | | | |
| Q.4 | (a) | Fill in the blanks from appropriate option: | 07 | | | | |
| | | 1defines the overall layout of web application. | | | | | |
| | | (Style sheets/ Master Page/ Theme) | | | | | |
| | | 2. Themes are stored infolder of a web application. | | | | | |
| | | (App_Data/ App_Browser/ App_Themes) | | | | | |
| | | 3. Extension of the theme files is (.css/ .skin/ .theme) | | | | | |
| | | 4helps in building interfaces that include documents, media, | | | | | |
| | | 2-D and 3-D graphics, animations. (WPF/ WCF/ WF) | | | | | |
| | | 5 allows us to develop Web applications that contain high-fidelity | | | | | |
| | | multimedia content and eye catching visual effects. (Silverlight/ WPF/ AJAX) | | | | | |
| | | 6 is used to include a namespace in C#. (import/ using/ include) | | | | | |
| | | 7 symbol is used as the de-referencer operator. (The ~ / The : / The *) | | | | | |
| | | | | | | | |
| | (b) | Explain arraylist and hashtable in C#. | 07 | | | | |
| | (3) | | | | | | |
| Q.5 | (a) | Create a webservice to retrieve Venue based on provided century number of Sachin | 07 | | | | |

Q.5 (a) Create a webservice to retrieve Venue based on provided century number of Sachin Tendulkar from given database as shown below. Also write a code to consume mentioned service. e.g. if i/p is 2 then o/p will be Sydney Cricket Ground. Database Name: db_Sachin

Table Name: tbl_Century

| Century No. | Score | Against | Venue | Date |
|-------------|--|-----------|------------------------------|-----------|
| 1 | 119* | England | Old Trafford, Manchester | 14-Aug-90 |
| 2 | 2 148* Australia Sydney Cricket Ground Syd | | Sydney Cricket Ground Sydney | 6-Jan-92 |
| 3 | 114 | Australia | WACA Ground, PERTH | 3-Feb-92 |

(b) Write short notes on WPF, WCF and WF.

OR

- **Q.5** (a) What is AJAX? Give ASP.Net code to use UpdatePanel control.
 - (b) Explain ActiveX controls with suitable example.

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