AI-115

April-2016

M.Sc., Sem.-IV

Client Server Architecture

Time : 3 Hours]   **[Max. Marks : 100**

1.   (a)   Answer the following :   **15**
         (1)   Explain for loop with example.
         (2)   How can we declare local and public variables ? Give example
         (3)   Explain any five properties of button.

  (b)   Explain with example difference between division operator "\" and "/".   **5**

2.   (a)   Perform the following :   **10**
        Declare a structure of "EMPLOYEE" (EmpID, Name, Designation, Salary). Design a form which has a facility to search using EmpID and display the details on the form.

  (b)   Answer the following :   **10**
         (1)   Explain AddRange function of ComboBox.
         (2)   Explain IndexOf() function of string class.
         (3)   Explain the effect of the following code :
              ListBox1.SelectedIndex = 3
         (4)   Explain SmallChange and LargeChange property of Scroll Bar.
         (5)   Explain IsDigit( ) function of char class.

3.   (a)   Answer the following : (any **3**)   **15**
         (1)   Explain the following functions of Directory :
              CreateDirectory, GetFiles, GetLogicalDrives.
         (2)   Write code to enter 5 numbers in an array list and display the entered numbers in a listbox. (Create a function for display)
         (3)   Write steps to create a popup menu (ContextMenuStrip).
         (4)   Write code for the counting how many times a particular character appears in the string.

  (b)   Explain with example RemoveAt( ) and RemoveRange( ) and GetRange( ) function of ArrayList.   **5**

4. (a) Write code for creating the following tree : **10**

⊟ **Shapes**
    ⊢ **Square**
    ⊢ **Triangle**
    ⊢ **Circle**
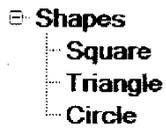
   (b) Design a form which takes input from the user, names of 10 students separated by "/" (eg : abc/xyz/pqr). On clicking the button all the names should be added to ComboBox without "/". **10**

5. (a) Answer the following : **10**

      (1) Write code to transfer all selected items from CheckedListBox to ComboBox.

      (2) Explain the function "GetKeyList" of SortedList.

   (b) Write code for connecting vb.net with MS-Access. **10**

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