AL-115

April-2015

S.Y. M.Sc., (CA & IT) Sem.-IV (Integrated)

CSA

(Client Server Architecture)

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

1. (A) Answer the following : (any **four**) **12**
   (1) What is meant by an array ? State the syntax of declaration of one dimensional array with suitable example. How individual elements of array are accessed ?
   (2) Give an example of for loop.
   (3) What is the difference between selected index and selected item property of list box.
   (4) How to declare a global variable ? Give an example.
   (5) Explain the use of group box.
   (B) Explain any four properties of text box. **8**

2. (A) Which setting are required in properties window, in order to achieve the following effects with a typical form : (any **six**) **6**
   (a) Color of the form should be blue
   (b) Put an image on the form
   (c) Form should not have cancel button
   (d) Mouse cursor should look like a cross, when placed on the form
   (e) When the program runs form should be in the center of the screen
   (f) The form's title bar should have the text "My First Project"
   (g) The form should not have a control box
   (B) Do as directed : **8**
   (1) Create a function which would accept a number and return its cube. Name the function MyCube.
   (2) Write code to add 5 items in the listbox at run time. Now set the property which will allow the user to select multiple items. And now move all the selected items to second list box.
   (C) Design a form which contains a text box and a button called "ADD". Now enter number in the textbox and click on the button, the number should be added in an array list amd the textbox should become blank. Now take a button called "Compute". On clicking the button it should compute the sum and average of all the entered numbers and display in a message box. **6**

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3. Answer the following : (any **four**) **20**
(1) What is the use of rich textbox ? Write code for opening and saving a file in rich text box.
(2) What is the use of timer ? Explain tick event of timer with appropriate example.
(3) Write code to create 3 root nodes in a tree view. The first root node should contain 2 sub nodes. The second root node should contain one sub node and the third root node should contain 3 sub nodes.
(4) What is the use of dialog control. Explain font and color dialog control.
(5) What is sorted list ? Explain with an example how data is sorted in a sorted list. Also give an example which uses the method GetKeyList.

4. (A) Write code for the following using directory class : (Take input from the user in input box) (Attempt any **four**) **8**
(a) Create Directory
(b) Remove Directory
(c) Get creation time of a directory
(d) Get files from the directory
(e) Get file system entries
(B) Answer the following : **12**
(1) Explain the following functions of string class with appropriate example :
(a) ToUpper
(b) Copy
(c) Indexof
(d) Split
(2) What is the use of connection object, Data Table and Data Adapter ?
(3) Explain types of errors. Also explain try…. Catch.

5. (A) Explain the following functions of data class with appropriate example : (any **five**) **5**
(a) DayOfWeek
(b) DaysInMonth
(c) IsLeapYear
(d) AddDays
(e) Compare
(f) Now
(B) Create a table in Access Named "Employee" having 3 columns : Empld, Name and Address. Now design a form in vb.net that will display all the contents of the table in a data grid (On form load). The form should have a buttons for ADD, UPDATE and DELETE. (Format the form as per your choice). Write code for the above. Also draw the form. **15**

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