

Bachelor of Science (B.Sc.) Semester—V Examination**VISUAL BASIC PROGRAMMING****Optional Paper—1****(Computer Science)**

Time : Three Hours]

[Maximum Marks : 50

- N.B. :—** (1) All questions are compulsory and carry equal marks.
 (2) Draw neat and well labelled diagrams wherever necessary.

EITHER

1. (a) What is Form ? Elaborate steps for setting distinct properties of Form. Write code to demonstrate Load and Unload event of Form. 5
 (b) Design an application and write code to find an even/odd number. 5

OR

- (c) Write steps to design an application, which displays a picture in picturebox when :
 (i) Command button with caption “Click Here” is clicked.
 (ii) After delay time 100 ms (by using timer control). 5
 (d) List various Loop structures in VB. Explain with example For Next, With EndWith. 5

EITHER

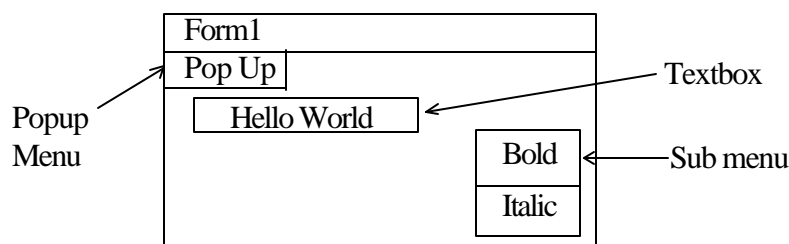
2. (a) What is a dynamic array ? How does it get declared ? Write syntax and elaborate with suitable example. 5
 (b) Create an array of N elements. Find the largest element in array. 5

OR

- (c) What is control array ? What are distinct ways of control array creation ? Explain with suitable coding. 5
 (d) What are different types of Module ? Explain each of them. 5

EITHER

3. (a) Create an application to manipulate text in textbox as “Bold” and “Italic” with the help of Popup Menu. Design a popup menu which will hold two sub-menus as “Bold”, “Italic” :



- (b) Write steps to create a database using visual data manager for the following :
 (i) Database Name “Data”
 (ii) Table Name “Student”
 (iii) Attribute Name “Rollno”, “Name”. 5

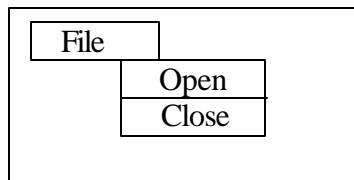
OR

- (c) Write steps to establish connection with database using data control “Data1” for the following fields :

Database Name “Data”, Table Name “Student”, Attributes “Rollno”, “Name”.

Bind these attributes with textboxes to display the record. 5

- (d) Write steps to create menu using Menu Editor as mentioned below; also write code for the menu to load Form1.Frm when clicked on “Open” and unload Form1.Frm when clicked on “Close”.



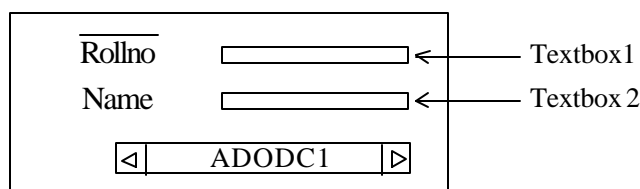
5

EITHER

4. (a) Write steps to establish connection with database use ADO Data Control with ODBC Data Source Name for the following fields :

- (i) Database Name “Data”
- (ii) Table Name “Student”
- (iii) Attributes “Rollno”, “Name”

Also bind attributes with textboxes :



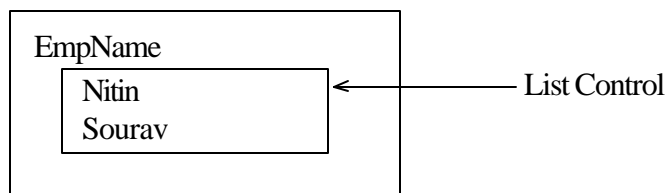
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- (b) Create an application with navigation button MoveFirst, MoveNext, MoveLast using ADO Data Control. Write code for the navigation buttons.

5

OR

- (c) Write steps to create an Application using ADO Data Control and Data List Control to display “EmpName” in List Control as shown below :



Use the following fields :

- (i) Database Name “Emp Data”
- (ii) Table Name “Emp Table”
- (iii) Attribute “Emp Name”.

5

- (d) Define distinct errors in VB. Explain Resume and Resume Next with suitable code.

5

5. (a) Differentiate ComboBox and ListBox.

2½

- (b) Explain the following math functions :

Int, Sqr, Abs, Exp, Round.

2½

- (c) Write steps to create a separator bar in the Menu using Menu Editor.

2½

- (d) Explain DataGrid Control.

2½