

P – 6147

**B. C. A. (Third Semester)
EXAMINATION, Nov./Dec., 2014**

Paper – 302

PROGRAMMING IN VISUAL BASIC

Time : Three Hours

Maximum Marks : 80

Minimum Pass Marks : 32

Note– Attempt *five* questions, selecting *one* from each unit. All questions carry equal marks.

Unit – I

1. (a) Explain visual basic integrated development environment. 8
- (b) Define the properties and method of the following– 8
 - (i) Text Box
 - (ii) Rich Text Box
 - (iii) Picture Box.

P.T.O.

2. (a) How will you create menus and controls in visual basic ? Illustrate the controls. 8
- (b) What are the important data types in visual basic ? Describe the use of following data types— 8
- (i) Logical
 - (ii) Real
 - (iii) Currency.

Unit – II

3. (a) Discuss the logical operators in visual basic. Explain the working of any two of them with the help of an example VB program. 8
- (b) Describe the various control structures used in visual basic. Explain the nested while wend loop in visual basic. 8
4. (a) What is form in VB ? Differentiate between parent and child forms. Discuss how the multiple forms do manage in VB ? 8
- (b) Write VB code segment to count and print numbers from 1 to 100 using different VB loop structures. 8

Unit – III

5. (a) What is control array ? For which purpose we use control array ? Illustrate the use of an array in VB environment. 8

- (b) Write VB code segment to store marks of ten students in an array and calculate maximum, minimum and average marks. 8
6. (a) What is the difference between simple array and dynamic array ? Explain with the syntax. 8
- (b) Describe different input techniques for formatting the input. 8

Unit – IV

7. (a) Assume we have a text control in a form, how we can control the focus of a control. 8
- (b) How can we validate inputs ? Explain how to validate phone numbers. 8
8. (a) Design a menu to add and delete employee records. 8
- (b) Discuss with suitable examples any *four* of the following events— 8
- (i) Change
 - (ii) Click
 - (iii) Lost Focus
 - (iv) Set Focus
 - (v) Key pressed

- (vi) Mouse scroll
- (vii) Mouse over.

Unit – V

9. (a) What do you understand with common dialog box control ? Describe the process of adding common dialog box in a tool box. What is COMBO box ? In what manner does it differ from list box. 8
- (b) Discuss the following terms— 8
- (i) ODBC
 - (ii) ADODB
 - (iii) DCOM.
10. (a) Write short notes on any *two* of the following— $4 \times 2 = 8$
- (i) OLE controls
 - (ii) Bound controls
 - (iii) Data control.
- (b) Write the code in VB to prepare the personal record of employee of an organization using MS-Access as the back-hand for data storage and management. Implement option to insert, delete and modify the records. 8