

Roll No. ....

Total No. of Questions : 9]  
(1049)

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**B.C.A. (CBCS) RUSA IVth Semester  
Examination**

**4394**

**PROGRAMMING IN VISUAL BASIC**

**Paper : BCA-0405**

**Time : 3 Hours]**

**[Maximum Marks : 70**

*Note :- Attempt five questions in all, selecting one question from each Part. Q. No. 1 (Part A) is compulsory.*

**Part-A**

1. (i) (a) Write any *four* components of visual basic IDE.
- (b) Define labels.
- (c) What do you understand by built in function ?
- (d) Define check box.
- (e) What is the variant data type ?

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Turn Over

- (f) List any *two* menu flags ?
- (g) What is the purpose of B search () function ?
- (h) Describe any *four* features of Visual Basics.
- (i) Define casting in VB.
- (j) What do you understand by build in function ? 1×10=10

- (ii) (a) Explain procedures in VB, with suitable example.
- (b) What are the various graphic controls available in VB ? Explain their use in animation creation.
- (c) How control array is created and used ?
- (d) Explain difference between image control and picture control ?
- (e) Explain the difference between validating events and masked text boxes. 4×5=20

**Part-B** 10 each

2. What are the operators in VB ? Explain its types with suitable examples.
3. Explain the difference between .NET language and Visual Basics.

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**Part-C**

10 each

4. Write short notes on the following :
- (a) Exceptional handling
- (b) Debugging techniques for programs with loops.
5. Explain different types of properties and application of visual basic.

**Part-D**

10 each

6. In a tabular form differentiate between the following :
- (a) Image control and picture control
- (b) Call by value and call by reference
7. Define one dimensional array. Write VB program to find even number from array.

**Part-E**

10 each

8. What are procedures and functions in Visual Basics ? Explain with syntax and example.
9. Explain suitable scenario in which the purpose of control boxes like group boxes, radio buttons, list boxes and combo boxes are suitably used.

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**B.C.A. (CBCS) RUSA IVth Semester  
Examination**

**3752**

**PROGRAMMING IN VISUAL BASIC**

Paper : BCA-0405

**Time : 3 Hours]**

**[Maximum Marks : 70**

*Note :- Attempt five questions in all, selecting one question from each Part. Q. No. 1 (Part A) is compulsory.*

**Part-A**

**(Compulsory Question)**

☐ I. (A) Do as directed.

(i) Who developed Visual Basic ?

(a) Sybase

(b) Ashton-Tate

(c) Symantec

(d) Microsoft

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**Turn Over**

- (ii) In the Visual Basic application, which of the following are listed in a properties window ?
- (a) Attributes (b) Values  
(c) Items (d) Objects
- (iii) Which of the following methods is used to sort an array in visual basic ?
- (a) Array.arrayArrange()  
(b) Array.sortAscending()  
(c) Array.Sort()  
(d) Array.arrange()
- (iv) Which of the following is used to display a message box in Visual Basic ?
- (a) MessageBox.show  
(b) MessageBox.Show  
(c) MessageBox  
(d) AlertBox.View
- (v) Which of the following sections is used to make text appear around the image ?
- (a) Align  
(b) Text style  
(c) Image properties  
(d) Wrapping style

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- (vi) The process of locating and correcting the bugs in a program is referred to as .....
- (vii) A form is saved with extension .....
- (viii) A local declaration allows a variable to be accessible to any code in the Form class. (True/False)
- (ix) Debugging is the process of getting an application to work correctly. (True/False)
- (x) What is string ?  $1 \times 10 = 10$
- (B) Write short notes on the following :
- (i) Write short notes on .NET Framework.  
(ii) What is the use of my feature in VB ?  
(iii) What are logical operator in VB ?  
(iv) Write short note on radio button.  
(v) Discuss StringBuilder Class used in Visual Basic.  $4 \times 5 = 20$

**Part-B (Unit-I)**

10 each

- What is Visual Basic ? Explain the various features of Visual Basic.
- Discuss the basic rules to write Visual Basic code to develop an application. Also discuss code snippets.

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Turn Over



**Part-C (Unit-II)** 10 each

4. What are data types ? Discuss built in data types of Visual Basic in detail.
5. What are various looping statements used in Visual Basic ? Discuss each by taking suitable example.

**Part-D (Unit-III)** 10 each

6. (a) Describe MsgBox() function in detail.  
(b) How to add and remove Event wiring ?
7. How to catch and handle exceptions using Try-Catch-Finally statements ?

**Part-E (Unit-IV)** 10 each

8. (i) What is rectangular array ? Discuss steps to create rectangular array in Visual Basic.  
(ii) Describe methods for performing operations on date and time.
9. What are Debugging Windows ? Explain the usage of locals and autos window to monitor variables.