Total No. of Questions : **10**]   [Total No. of Printed Pages : **4**

(2034)

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

3777

PROGRAMMING IN VISUAL BASIC
Paper : BCA-0405

Time : **3 Hours**]   [Maximum Marks : **70**

Note :– Unit–I is compulsory. Selecting *one* question from each Unit.

Unit–I

(Compulsory Question)

1. (i)   In .... window we can write code.

     (a)   Immediate window

     (b)   Local window

     (c)   Code editor window

  (ii)   The form module has file extension.

     (a)   .frb

     (b)   .frm

     (c)   .vb

(iii) .... control is used to provide an identifiable grouping for other controls.

    (a) Frame

    (b) Label Box

    (c) Combo Box

(iv) .... is a block of code that is executed in response to an event.

    (a) Function

    (b) Sub Procedure

    (c) Property Procedure

(v) .... is a method which moves the focus to the specified control or form.

    (a) Set Focus

    (b) Lost Focus

    (c) Get Focus

(vi) .... is the process of finding and removing errors.

    (a) Check

    (b) Debugging

    (c) Break

(vii) In visual basic, arguments are passed by default by :

    (a) Reference

    (b) value

    (c) Object

(viii) The value of local variable can be preserved by making the variable as :

    (a) Private

    (b) Implicit

    (c) Static

(ix) .... function is used to return a copy of a string without leading spaces.

    (a) Ltrim

    (b) Rtrim

    (c) Trim

(x) The function procedure are .... by default.

    (a) Protected

    (b) Public

    (c) Private   1×10=10

2. Short answer questions :

    (i) How do you create an executable file in visual basic ?

    (ii) Explain in brief about accessing a child form.

    (iii) Write a procedure to create dialog box.

    (iv) What does option explicit mean ?

    (v) Explain the msgbox() function.   4×5=20

Unit–II

3. What is a form ? How do we create a form and manage at runtime ? Also discuss some common form properties.

4. What is Visual Studio ? Discuss its elements in detail.

Unit–III

5. Explain the different loop statements in Visual Basic.

6. What do you mean by a variable ? Project the scope of a variable with a suitable example.

Unit–IV

7. Give a brief idea about event driven programming. Explain the use of code editor to start an event handler. Discuss adding and removing event.

8. What is exception ? How does exception handling work ? Create an application with exception handling.

Unit–V

9. How to create a date time value with a particular format ? Write the procedure to validate a string entered by the user.

10. Write the procedure to create a form and display the form as a dialog box. Explain with example how Item Data property is different from List Index property of a combo box.

CH–577

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)

1. (A) Do as directed.

    (i)   Who developed Visual Basic ?

        (a) Sybase

        (b) Ashton-Tate

        (c) Symantec

        (d) Microsoft

(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

(vi) The process of locating and correcting the bugs in a program is referred to as deb........... .

(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 ?   1×10=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.   4×5=20

Part–B (Unit–I)   10 each

2. What is Visual Basic ? Explain the various features of Visual Basic.

3. Discuss the basic rules to write Visual Basic code to develop an application. Also discuss code snippets.

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.

Roll No. ....

Total No. of Questions : **9**]   [Total No. of Printed Pages : **4**

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

4214

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)

1. (A) Do as directed :

    (i)   Which of the following extensions is used to represent the project file in Visual Basic ?

       (a) .vb   (b) .vbp

       (c) .cls   (d) .vvb

CA–750   (1)   Turn Over

(ii) Which of the following is commonly used to perform an immediate action when clicked in Visual Studio ?

(a) End   (b) Close

(c) Button control   (d) Exit

(iii) Object respond to an event by writing ....

(a) Defining events

(b) Event procedures ·

(c) Defining actions

(d) Operations

(iv) Which of the following property is used to specify a combo box's style in Visual Basic ?

(a) DropDownStyle

(b) ComboBoxStyle ·

(c) Style

(d) DropStyle

(v) Frame control acts as a ....

(a) Event   (b) Container ·

(c) Class   (d) Method

(vi) .... operators allow you to combine two or more conditions into one compound condition.

CA–750   (2)

(vii) In Visual Basic all the controls are available on ....

(viii) The value of a declared constant can be changed anywhere in the program code.

(True/False)

(ix) More than one checkbox can be selected at a time.   (True/False)

(x) List out arithmetic operators.   1×10=10

(B) Write short notes on the following :

(i) Write Steps to create a new VB projects.

(ii) What are Constants ? How do declare and initialize constants in VB ?

(iii) What is type conversion ?

(iv) What are break points ?

(v) What are collection classes ?   4×5=20

Part–B (Unit–I)   10 each

2. What is Visual Studio ? Discuss its elements in detail.

3. Discuss common properties for Forms and Controls in Visual Basic.

CA–750   (3)   Turn Over

4. (i) Explain Visual Basic functions to convert data types.

   (ii) Define Variable. How variable declare and initialize ?

5. Discuss select case statement in detail with suitable example.

6. Define Event. Explain event handler with suitable example.

7. What is Data Validation ? How to validate a single data entry ?

8. (i) What is Jagged Array ? How to create a Jagged array ?

   (ii) Explain date time methods for formatting a date or time.

9. Discuss with the help of suitable example to add items to listbox and combobox in Visual Basic Project.

CA–750   (4)

Total No. of Questions : 9]   [Total No. of Printed Pages : 3

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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 ?

CH–720   (1)

(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.

CH–720　　　　　　(2)

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.

CH–720　　　　　　(3)