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Bachelor in Computer Application (Part III) EXAMINATION, 2007

VISUAL BASIC PROGRAMMING

Twenty First (BCA XXI) Paper

Time allowed : Three Hours

Maximum Marks : 50

Attempt five questions in all. All questions carry equal marks.

1. Why the Visual Basic is treated as GUI programming language ? Explain the features and importance of Visual Basic.

2. Define the term Project in Visual Basic. Explain all possible components of VB Project.

3. What do you understand by Event Driven Programming ? Write an event driven program to accept only names of students in a Text Box.

4. Differentiate between :

   (i) Text Box and Label;

   (ii) List Box and Combo Box;

500   P.T.O.

(*iii*)   Check Box and Radio Button;

(*iv*)   Scroll Bar and Slider;

(*v*)   Picture control and Image control.

5.   (*a*)   How do you access Win 32 API from VB ? Explain with example.

     (*b*)   What is MDI ? Explain the utility of Parent and Child form.

6.   What is an Array ? Explain different types of Arrays and Collection used in Visual Basic with example. Also explain subroutines and functions.

7.   (*a*)   Write a program to display the content of text file in a multi line text box.

     (*b*)   What are frames ? Explain their uses with examples.

8.   How are external database accessed through Visual Basic ? Write the complete steps of accessing the database.

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EXAMINATION, 2008

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carry equal marks.

1. Discuss the advantages and disadvantages of Visual Basic. What is an IDE, explain in detail. How the debugger helps in rectifying syntactical and logical errors ?

2. Visual Basic offers different type of projects. What are the usage of each of the type of projects ? Explain with the help of suitable example.

3. Discuss the usage of the following :

   (*i*) Timer Control

(ii) Slider

(iii) Scroll bar

(iv) Drive and File List Box

(v) Shape.

4. Discuss the concept of Dynamic Forms. Write a VB dynamic program to initialise all the control available on the form.

5. (a) Discuss the usage of SDI and MDI forms. How the menus are effected on reacted to the different types of forms.

   (b) Explain declaring and calling DLL procedure with the help of example.

6. (a) How is DLL different from an API ? Write a procedure to access Win32 API from VB.

   (b) Differentiate between :

       (i) Design Time and Run Time

       (ii) Menus and Toolbars

(iii) Intput/Output Statements and Control Flow Statements

(iv) Frame and Tab Strip

(v) Graphics Controls and Text Controls.

7. Write a program to update a table in database with the help of VB Form. The Form contains the name of Student, Year of admission, Date of Birth, percentage in 12th, Last school passed etc.

8. (a) Why is the Visual Basic known as Windows programming language ? What are the usage of Common Dialog Control ? Explain with example.

   (b) Write a VB program to accept Student ID on the form, the control should not allow user to enter any other character except the numerals using event driven concept.

9. Explain the following in brief :

(i) Customizing the toolbars;

(ii) Generating timed events. 2×5=10

10. Write short notes on any *two* of the following :

(i) Drawing methods in VB using graphics control;

(ii) Coordinate systems and graphic methods;

(iii) Colors and Pixels. 2×5=10

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Bachelor in Computer Application (Part III)

EXAMINATION, 2009

VISUAL BASIC PROGRAMMING

Twenty First (BCA XXI) Paper

Time allowed : Three Hours

Maximum Marks : 50

Attempt five questions in all. All questions carry

equal marks.

1. (a) What are the various parts of the design state

of the VB IDE ? Explain.

(b) Write down the various features of VB.

5+5=10

2. (a) What is object oriented programming ? What are

its characteristics ? Explain.

(b) What is meant by event driven programming ? How does it differ from traditional programming ?

$5+5=10$

3. (a) Name and give the purpose of five types of data available in VB. What effect does the location of a DIM statement have on the variable it declares ?

(b) Describe how you attach code to an object.

$5+5=10$

4. (a) What does the term "Common dialog box" mean ? Name at least *three* types of common dialog boxes.

(b) Explain the difference between a procedure and a function procedure.

$5+5=10$

5. (a) Name and describe *three* styles of combo boxes.

5

(b) When and how is information placed inside a list box or a combo box ?

5

6. (a) What are different control statements available in VB ? Explain them by taking an example of each.

6

(b) What do you understand by the scope of a variable ? Illustrate with example.

4

7. (a) What are Dynamic forms ? How can you build a dynamic form ? Illustrate with example. 5

(b) Explain various drag and drop operations. 5

8. Write a program to update database with the help of VB form. The form contains the name of employee, his date of birth total pay, total deduction and his home address.

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