CS/BCA/SEM-2/BCA-203/2010

2010

COMPUTER PROGRAMMING

Time Allotted : 3 Hours   Full Marks : 70

The figures in the margin indicate full marks.

Candidates are required to give their answers in their own words as far as practicable.

GROUP – A
(Multiple Choice Type Questions)

1. Choose the correct alternatives for the following :   10 × 1 = 10

   i)   Visual Basic is .... interface.

        a)   Back-end   b)   Front-end

        c)   both of these   d)   none of these.

   ii) The extension of an ActiveX control is

        a)   .VBX   b)   .OCX

        c)   .RESX   d)   none of these.

   iii) The .... function is used to declare global variables for a specific form.

        a)   Option explicit   b)   Global/

        c)   Name   d)   Redim.

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iv) VB variables are .... by default.

    a) string   b) integer

    c) short   d) variant.

v) While a project is executed, the .... event is called at first.

    a) Form_Change   b) Form_Mouseup

    c) Form_Load   d) None of these.

vi) The .... control can add on an MDI form.

    a) Command button   b) Label

    c) Picture box   d) Text box.

vii) The default event for a Combo Box is

    a) Click   b) LostFocus

    c) Leave   d) none of these.

viii) ODBC stands for

    a) Open Database Connection

    b) Object Database Connection

    c) Oracle Database Connection

    d) none of these.

ix) The .... function is used to print data in a form.

    a) show   b) echo

    c) print   d) all.

x) The .... control is called collection or group of other controls.

    a) Shape   b) Data

    c) Line   d) None of these.

GROUP – B
(Short Answer Type Questions)

Answer any *three* of the following.   3 × 5 = 15

2. Write the code which takes an integer in a text box and displays the factorial of that number in a message box.

3. What is the select-case structure ? When do we use it ? Give the general syntax of select-case structure.

4. What is a menu editor ? How can you create the menu using menu editor ? How can you add the menu separator ?

5. Explain the difference between Step Into and Step Over. Define the term 'validation'. When is it applicable ?

6. What is dim statement ? How can the dim statement affect the variables by changing its location ? What is redim statement ?

GROUP – C
(Long Answer Type Questions)

Answer any *three* of the following.   3 × 15 = 45

7. a) Differentiate between Input Box and Msg. Box.

   b) Using Timer control in a form show the current date and time.

   c) Write a program in VB to check whether a number is perfect or not.

   d) What is static variable ? Give example.   3 + 4 + 5 + 3

8. What is procedure ? How many types of procedures are there in Visual Basic ? Explain each of them in brief. Distinguish between Function and Sub-procedure. What is the difference between call by value and call by reference ?   1 + 6 + 3 + 5

9. a) Write a program to add, modify and delete records to/from the student table.

b) State the steps and procedures called for creating a Data Report satisfying some conditions.

c) What is docking ? Explain.   5 + 8 + 2

10. a) Explain the following events with suitable example :

   i) Load

   ii) Show

   iii) LostFocus

   iv) KeyPress.

b) What is an MDI form ? What is the utility of this form in a VB project ?

c) Write a program in VB that will convert a number taken in a text box to different number system through the different option button selections which are specifying different number systems.   6 + 2 + 7

11. Write short notes on any *three* of the following :   3 × 5

   a) Collection

   b) OLE

   c) Data control

   d) Common dialog control

   e) Combo box.