



Name :

Roll No. :

Invigilator's Signature :

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 : $10 \times 1 = 10$

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.



- 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. $3 \times 5 = 15$

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. $3 \times 15 = 45$

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 ? $1 + 6 + 3 + 5$

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



9. a) Write a program to add, modify and delete records to/from the student table. 5 + 8 + 2
- 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.
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