



Name :

Roll No. :

Invigilator's Signature :

CS/MCA/SEM-5/MCAE-502B/2010-11

2010-11

WINDOWS PROGRAMMING WITH VB

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 any *ten* of the following :

10 × 1 = 10

- i) Timer control contains number of events.
 - a) 0
 - b) 1
 - c) 2
 - d) None of these.
- ii) What will be the output of the following code segment ?
Dim string 1, string 2, string 3 as string
string 1 = "Have a nice day"
string 2 = "nice"
string 3 = Instr (1, string 1, string 2, 1)
msgbox (string 3)
 - a) 0
 - b) 2
 - c) 8
 - d) None of these.
- iii) Visual Basic Application is very popular as to many client server systems.
 - a) Front end
 - b) Back end
 - c) Both
 - d) None of these.



- iv) Visual Basic Class files are saved with an extension
 - a) .vbp
 - b) .frm
 - c) .cls
 - d) .ocx.
- v) Which of the following Visual Basic tool is appropriate to display a list of elements ?
 - a) Frame
 - b) Command Button
 - c) Option Button
 - d) Combo Box.
- vi) The property window displays all the properties that you can set at
 - a) Design Time
 - b) Run Time
 - c) Both
 - d) None of these.
- vii) A module is a
 - a) Form Wizard
 - b) Query Wizard
 - c) Set of functions
 - d) Program to print Date.
- viii) can be used as a substitute of array in Visual Basic.
 - a) Collections
 - b) Procedures
 - c) Structures
 - d) None of these.
- ix) keyword is used to redeclare the size of an array without losing the element values.
 - a) Redim
 - b) Static
 - c) Preserve
 - d) None of these.
- x) In class method is to assign a value to a property.
 - a) Set
 - b) Let
 - c) Get
 - d) None of these.
- xi) function in Visual Basic is used to calculate the length of the file.
 - a) EOF
 - b) LOF
 - c) Both
 - d) None of these.
- xii) Dim *a* as Integer is an example of declare.
 - a) Local
 - b) Global
 - c) Implicit
 - d) Explicit.



GROUP – B

(Short Answer Type Questions)

Answer any *three* of the following. $3 \times 5 = 15$

2. Give the functions of
 - i) ADO Data controls
 - ii) Data Grid.
3. Write the difference between Option box and Message box.
4. Write about ODBC and ADODB.
5. State five properties of Text box object.
6. Write a module to reverse a given string.

GROUP – C

(Long Answer Type Questions)

Answer any *three* of the following. $3 \times 15 = 45$

7. a) What is event driven programming ? 3
- b) Given the following log in form :

Name	<input type="text"/>
Registration No.	<input type="text"/>
<input type="button" value="Submit"/>	

Write down the function to perform the following checking when you click on the submit button :

- i) The name must consists of at least two words (Name and Surname).
- ii) The Name and Registration No. fields are not blank. 4 + 4
- c) What is the purpose of menu editor ? How is menu editor accessed ? 2 + 2



8. a) Write a Visual Basic code to check if a given number is prime or not. 5
- b) What is the difference between private functions and public functions ? 4
- c) Write short note on Random access file. 3
- d) Explain the difference between 'call by value' and 'call by reference'. 3
9. a) What is meant by scope of a variable ? 2
- b) How is a single dimensional array declared in VB ? What is dynamic array ? Explain with examples. 2 + 3 + 2
- c) Discuss the usage of the 'Preserve' keyword with examples. 2
- d) Explain the functions with examples :
- i) Instr
 - ii) Right\$
 - iii) len
 - iv) Mid\$. 4
10. a) Discuss the advantages and disadvantages of sequential file handling. 4
- b) Write a program to store the information of 10 students in a file (name, roll, marks of 4 students). The program will display the name, total and average marks of 4 subjects, when a roll no. is supplied. 7
- c) Discuss about MID\$ () and SPACE\$ () with example. 4
11. Write short notes on any *three* of the following : 3 × 5
- a) Different types of second set
 - b) Param Array & Optional keyword
 - c) IDE
 - d) MDI and SDI
 - e) Difference between option button and check boxes.