

Name :

Roll No. :

Invigilator's Signature :

**CS/MCA/SEM-5/MCAE-502B/2009-10
2009**

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 of the following :

10 × 1 = 10

- i) In VB, DLL stands for
 - a) Data Link Layer
 - b) Dynamic Link Library
 - c) Data Linking Library
 - d) None of these.
- ii) The control enables you to group items/controls together on a form
 - a) Option button
 - b) OLE
 - c) OLE DB
 - d) Frame.
- iii) RDO stands for
 - a) Remote Data Object
 - b) Random Access Data Object
 - c) Rapid Access Data Object
 - d) Rapid Development Object.



- iv) In Visual Basic, the control that helps in displaying the data as heirachy is
 - a) Slider control
 - b) Tree View control
 - c) Status Bar control
 - d) Mask Edit control.
- v) Vsual Basic is a/an
 - a) Fully Object Oriented Language
 - b) Object Based Language
 - c) Procedure Oriented Language
 - d) none of these.
- vi) In Visual Basic, if data type of the variable is not declared, then by default it takes
 - a) Integer
 - b) Double
 - c) Long
 - d) Variant.
- vii) is the process of packaging interface elements and sending them across process boundaries.
 - a) Marshalling
 - b) Typecasting
 - c) Connection string
 - d) Mouse event.
- viii) Attempting to use Redim on a fixed-size array is
 - a) a syntax error
 - b) permitted without preserve
 - c) permitted with preserve
 - d) permitted only for upper value of the index.
- ix) How many consecutive commas (,) will be there after the radius parameter in the Circle command if an ellipse is drawn with no colour option
 - a) 1
 - b) 2
 - c) 3
 - d) 4.
- x) The property returning the number of items in the list control is
 - a) ListIndex
 - b) ListCount
 - c) Text
 - d) MultiSelect.



GROUP – B

(Short Answer Type Questions)

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

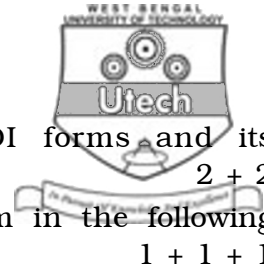
2. a) What do you mean by event driven programming ? $2 + 3$
b) In Window based programming what do you mean by controls, properties of control, events and methods ?
3. What is a record set ? Differentiate between Active X DLL & Active X EXE. $1 + 4$
4. What do you mean by recursive programming ? Write a program in VB to find out the *N*th Fibonacci series using recursion. $2 + 3$
5. What is a menu ? How can you add menu to a particular VB application. What is control menu ? $1 + 3 + 1$
6. Write a program in VB to check whether a string is palindrome or not. 5

GROUP – C

(Long Answer Type Questions)

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

7. a) What is the difference between Dim and Redim statements ?
b) What is Static Variable ?
c) What is meant by Control arrays ?
d) What do you mean by DAO ?
e) How can we create a pop-up menu ? 5×3
8. a) In how many ways a Visual Basic application can connect to a database ? What is ODBC ?
b) Briefly explain the ODBC architecture.
c) What is Seek Method ? Which type of record set is available in this ? $(3 + 3) + 6 + 3$



9. a) What are the advantages of MDI forms and its features ? 2 + 2
- b) State what happens to parent form in the following situations : 1 + 1 + 1
- i) child form is activated
- ii) child form is minimized
- iii) child form is maximized.
- c) Write required code in VB for password verification as below :
- The program will accept the password from the user and display a green light if the password is Correct else it will display red light. Maximum 3 attempts would be given. The user must be given the option to quit. 8
10. a) What is dynamic array ? Explain with suitable example. What is Preserve keyword ? 5 + 1
- b) What do you mean by arrays of array ? 3
- c) What is MDI ? 3
- d) What do you mean by variable scope and life time ? Explain. 3
11. a) What do you mean by event-drive model ? How is it differ from procedural model of programming ? 2 + 2
- b) What do you mean by call by value and call by reference ? Explain with an example. 5
- c) What is a collection ? How is it used in VB application ? 6
12. Write short notes on any *three* of the following : 3 × 5
- a) Input box () function
- b) Common Dialogs Control
- c) Win32 API
- d) Rich Text Box Control
- e) Describe the following terms :
- i) P-code
- ii) Native code.
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