

**CS/MCA/ODD SEM/SEM-5/MCAE-502B/2016-17**



**MAULANA ABUL KALAM AZAD UNIVERSITY OF  
TECHNOLOGY, WEST BENGAL**

**Paper Code : MCAE-502B**

**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 the following :

10 × 1 = 10

i) The default property of Image Box is

- |            |           |
|------------|-----------|
| a) Value   | b) Text   |
| c) Picture | d) Shape. |

ii) A collection holds a series of

- |              |             |
|--------------|-------------|
| a) Functions | b) Class    |
| c) Variables | d) Objects. |

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- iii) The FreeFile function can be used to
  - a) find next available file number
  - b) delete a file
  - c) find next available file
  - d) find deleted file.
  
- iv) The LOF function returns the length of a
  - a) Random file
  - b) Sequential file
  - c) Record set
  - d) none of these.
  
- v) The Me Keyword refers to the
  - a) current selected control
  - b) current active form
  - c) current file
  - d) none of these.
  
- vi) The purpose of Val function is to convert
  - a) numeric to date
  - b) numeric to test
  - c) text to numeric
  - d) none of these.

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- vii) Which control is not visible at run time ?
- a) Slider
  - b) Timer
  - c) Text box
  - d) Frame.
- viii) In class ..... method is used to assign a value to a property.
- a) Set
  - b) Get
  - c) Let
  - d) Assign.
- ix) Which of the following is not an MDI application ?
- a) Microsoft Word
  - b) Microsoft Excel
  - c) Microsoft Power Point
  - d) Note Pad.
- x) RDO stands for
- a) Remote Data Object
  - b) Random Access Data Object
  - c) Rapid Access Data Object
  - d) Rapid Development Object.

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**GROUP - B**

**( Short Answer Type Questions )**

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

2. State five properties of Combo Box control.
3. Write a program in VB to find out the GCD of two numbers.
4. What do you mean by variable scope and life time ?  
Explain.
5. What is a collection ? How is it used in VB application ?
6. Explain the difference between 'Call By Value' and 'Call By Reference' ?

**GROUP - C**

**( Long Answer Type Questions )**

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

7.
  - a) What do you mean by variable scope and life time ?
  - b) What is menu structure ? How can we use menu in a window application ?
  - c) How can you create pop-up menu ?
  - d) Differentiate between procedure and function.

$3 + ( 3 + 4 ) + 3 + 2$

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8. a) What is event-driven programming ?
- b) Create an application to display image files kept in different folder in the system. The application should allow the user to navigate in the folder and list all images files ( \*.bmp,\*jpg) whenever an image file is selected it should get that picture displayed in an image control.
- c) Write a program in VB to print the following in a Text Box :

K

K O

K O L

K O L K

K O L K A

K O L K A T

K O L K A T A

3 + 7 + 5

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9. a) Write a VB code to check if a given number is prime or not.
- b) What is the difference between private functions and public functions ?
- c) Explain the difference between 'call by value' and 'call by reference'.
- d) Explain the functions with examples :
- i) Instr
  - ii) Right\$
  - iii) Len
  - iv) Mid\$ 5 + 4 + 2 + 4
10. a) Describe the different ways to access files in Visual Basic.
- b) Write a VB program to insert  $n$  numbers into a sequential file. Next print all the prime numbers after reading from the file
- c) How can you pass  $n$  numbers of arguments to a procedure ? Explain with example. 5 + 6 + 4

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

- a) MDI and SDI
  - b) COM
  - c) Common Dialog Box
  - d) ADODB
  - e) Param Array & Optional Keyword.
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