| *          |                     |                    | **************   |
|------------|---------------------|--------------------|--|
| Roll No.   |                     |                    |  |
| Invigilate | or's Signature :    |                    |  |
|            | C                   | S/MCA/SEM-         | 5/MCAE-502B/2010-11  |
|            | i esta de librariad | 2010-11            |  |
|            | WINDOWS             | PROGRAMM           | IING WITH VB   |
| Time All   | otted: 3 Hours      |                    | Full Marks: 70   |
|            |                     |                    |  |
|            | The figures i       | n the margin ind   | licate full marks.   |
| Candid     | lates are require   | ed to give their a | nswers in their own words  |
|            |                     | as far as prac     | ticable.   |
|            |                     |                    |  |
|            |                     | GROUP - A          |  |
|            |                     | le Choice Type     | - <del>-</del>   |
| 1. Ch      | oose the correc     | t alternatives ic  | or any ten of the following: $10 \times 1 = 10$  |
| i)         | Timer contro        | l contains         | number of events.  |
|            | a) 0                | <b>b</b> )         |  |
|            | c) 2                | <b>d</b> )         | None of these.   |
| ii)        | What will be        | the output of th   | e following code segment?  |
|            |                     | string 2, string   | 3 as string  |
|            | Ŭ.                  | ave a nece day"    |  |
|            | string 2 = "n       |                    |  |
|            |                     | str (1, string 1,  | string 2, 1)   |
|            | msgbox ( stri       | ng 3 )<br>b)       | 2  |
|            | a) 0<br>c) 8        | d)                 | And the second of the second o |
| iii)       | · · · ·             |                    | very popular as  |
|            |                     | nt server system   | ıs.  |
|            | a) Front er         |                    | The state of the s |
| •          | c) Both             | <b>d</b> )         | None of these.   |

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| iv)           | Vi         | sual Basic Class fi   | les are s  | aved with an extention       |
|---------------|------------|-----------------------|--|------------------------------|
|               | a)         | .vbp                  | <b>b</b> )   | .frm                         |
| Gara.         | c)         | .cls                  | <b>d</b> )   | .ocx.                        |
| v)            | W          | nich of the following | ng Visua   | al Basic tool is appropriate |
|               | to         | display a list of ele | ments?   |                              |
|               | a)         | Frame                 | b)   | Command Button               |
|               | c)         | <b>Option Button</b>  | d)   | Combo Box.                   |
| vi)           | Th         | e property window     | w displa   | ys all the properties that   |
|               | you        | ı can set at          |  |                              |
|               | a)         | Design Time           | b)   | Run Time                     |
|               | c)         | Both                  | d)   | None of these.               |
| vii)          | Ar         | nodule is a           | et in a second of the second o |                              |
|               | a)         | Form Wizard           | b)   | Query Wizard                 |
|               | <b>c</b> ) | Set of functions      |  | Program to print Date.       |
| viii)         |            | can be u              | sed as   | a substitue of array in      |
|               | Vis        | ual Basic.            |  |                              |
|               | a)         | Collections           | b)   | Procedures                   |
|               | c)         | Structures            | ,d)  | None of these.               |
| ix)           | ••••       | keyword               | is used  | d to redeclare the size of   |
| The Lake      | an         | array without loosi   | ng the e   | lement values.               |
|               | . 1        | Redim                 | <b>b</b> )   | Static                       |
|               | c)         | Preserve              | d)   | None of these.               |
| <b>x</b> )    | in o       | class r               | nethod   | is to assign a value to a    |
|               | •          | perty.                |  |                              |
|               | a)         | Set                   | · . ·  | Let                          |
| xi)           |            | Get                   | d)   | None of these.               |
| Л             | the        | length of the file.   | visual   | Basic is used to calculate   |
|               |            | EOF                   | ы  | LOF                          |
|               | c)         | Both                  | The second secon |                              |
| xii)          | 1 1        |                       |  | None of these.               |
| <del></del> , | decl       | a as Integer is       | s all ex   | rample / 01                  |
|               | a)         | Local                 | Li   | Olabat                       |
|               | c)         | Implicit              | b)   | Global                       |
|               | <i>U</i> j | mpucit                | d)   | Explicit.                    |

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#### 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?

๋ จ

b) Given the following log in form:

|                |  |     |   |   |         | <br>   |
|----------------|--|-----|---|---|---------|--------|
| Name           | ************************************** |     |   |   | <br>, ' |        |
| Registration N | lo.                                    |     |   |   | • •     |        |
|                | Subm                                   | nit | 7 | • |         | <br>٠. |
|                |  |     |   |   |         |        |

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.
- c) What is the purpose of menu editor? How is menu editor accessed?

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| 4. A.        |            |   |
|--------------|------------|---|
| 8.           | a)         | Write a Visual Basic code to check if a given number is prime or not. |
|              | b)         | What is the difference between private functions and                  |
| •            | D)         | public functions?  4  |
| •            | <b>c</b> ) | Write short note on Random access file.                               |
|              | <b>d</b> ) | Explain the difference between 'call by value' and 'call              |
| •            | ÷ .        | by reference'.  |
| 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.                         |
|              | <u>.</u>   | 2 + 3 + 2   |
|              | c)         | Discuss the usage of the 'Preserve' keyword with                      |
|              |            | examples. 2   |
| ,            | d)         | Explain the functions with examples:                                  |
| 3 - 2        |            | i) Instr  |
|              |            | ii) Right\$   |
|              | · ·        | iii) len  |
|              | •          | iv) Mid\$. 4  |
| 10.          | a)         | Discuss the advantages and disadvantages of sequential                |
|              |            | file handling.  |
|              | <b>b</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.                           |
|              | <b>c</b> ) | Discuss about MID\$ () and SPACE\$ () with example. 4                 |
| 11.          | Writ       | e short notes on any three of the following: $3 \times 5$             |
|              | a)         | Different types of second set   |
|              | b)         | Param Array & Optional keyword  |
|              | <b>c</b> ) | [IDE]   |
|              | <b>d</b> ) | MDI and SDI   |
| * *30 *<br>* | e)         | Difference between option button and check boxes.                     |

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