2 0 1 5

(5th Semester)

BACHELOR OF COMPUTER APPLICATION

Paper No. : BCA–503 (OC)

(GUI Programming)

(Old Course)

Full Marks : 75

Time : 3 hours

(PART : B—DESCRIPTIVE)

(*Marks* : 50)

*The figures in the margin indicate full marks
for the questions*

1. *(a)* What are the characteristics of client/
server architecture? Explain two-tier
and three-tier client/server models. 4+6=10

Or

(b) What is a pop-up menu? Write down the
steps to create a pop-up menu in VB. 5

(c) Explain different properties in the usage
of properties window. 5

2. (a) Discuss various properties of tree view control.   5

     (b) Explain five math operations in VB with examples.   5

Or

     (c) What are looping and branching control statements in VB? Give the syntax of the following control structures with suitable examples :   10

         (i) For ... Next statement

         (ii) If ... then ... else statement

         (iii) Do ... while statement

         (iv) Select case ... End select

3. (a) Describe how to connect to a database using ODBC in detail.   5

     (b) How will you declare memory variables that hold ADODB connection and recordset objects? Give examples. Also explain the steps in creating a recordset object in memory.   5

Or

     (c) List down two properties of datagrid.   2

     (d) What are interface wizard and property page wizard? Discuss various steps for creating property page using property page wizard.   2+6=8

4. (a) What do you know about ambient property object? Discuss its different properties.   6

(b) What are the three methods and one property provided by collection objects?   4

Or

(c) List out five each for VBScript statements and functions. Also explain each of their description.   10

5. (a) What do the following functions return?   4

(i) LCase ("VB6 Complete")

(ii) String (12, " * ")

(iii) Now ( )

(iv) Is Empty (var 1)

(b) Discuss various objects in ASP.   6

Or

(c) What are the two traditional techniques used for developing reports in VB?   2

(d) Explain how to create a report in VB using Microsoft data reports.   6

(e) What are the major differences between creating reports with Microsoft data reports and creating forms?   2

★ ★ ★

2 0 1 5

(5th Semester)

BACHELOR OF COMPUTER APPLICATION

Paper No. : BCA–505 (OC)

(GUI Programming : Visual Basic)

(Practical)

(Old Course)

Full Marks : 75

Time : 3 hours

The figures in the margin indicate full marks
for the questions

PART—I

SECTION—A

Answer *any* **one** question

1. Write a color program that let you choose a color from a menu and paint the programs window with selected color. The program also let you select the size of the program's window from a menu. 20

2. Write a timer program using timer control. 20

(Turn Over)

SECTION—B

Answer *any* **one** question

3. With the use of multiple document interface, write a VB program by which you can access any of multiple windows. In these windows, you can place any picture or text or any other documents.   30

4. Design one complete VB form so that your form should display data using both data grid view and text box. Write a VB program by which you can navigate record (first, next, previous, last), add, delete, modify, save, view the data from any table of access database file. For this operation, you can use data control, data manager and any suitable data control.   30

PART—II

5. Viva voce.   15

6. Record book.   10

★ ★ ★