

V / BCA/503 (OC)

2015

(5th Semester)

BACHELOR OF COMPUTER APPLICATION

Paper No. : BCA-503 (OC)

(GUI Programming)

(Old Course)

Full Marks : 75

Time : 3 hours

ed in by the
andidate

Semester

ce / Commerce /
) Exam., 2015

(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)

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

(3)

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

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2015

(5th Semester)

BACHELOR OF COMPUTER APPLICATION

Paper No. : BCA-503 (OC)

(GUI Programming)

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(PART : A—OBJECTIVE)

(Marks : 25)

The figures in the margin indicate full marks for the questions

SECTION—I

(Marks : 15)

I. Tick (✓) the correct answer in the brackets provided :

$$1 \times 10 = 10$$

1. IDE stands for

(a) Internet Development Environment

()

(b) Integrated Dual Environment ()

(c) Integrated Development Environment

()

(d) Integrated Desktop Environment

()

(2)

2. A text box can hold as many as _____ characters for a single-line text.
- (a) 2052 ()
(b) 2048 ()
(c) 2058 ()
(d) 2047 ()
3. The default data type for Visual Basic is
- (a) integer ()
(b) Boolean ()
(c) variant ()
(d) string ()
4. We can preserve the value of a local variable by making the variable
- (a) private ()
(b) public ()
(c) implicit ()
(d) static ()

(3)

5. _____ is a block of code that is executed in response to an event.

- (a) Function procedure ()
- (b) Subprocedure ()
- (c) Property procedure ()
- (d) All of the above ()

6. _____ allows access to the client/server databases on a network.

- (a) OLEDB ()
- (b) Jet database engine ()
- (c) ODBC ()
- (d) None of the above ()

7. The main objective of the COM philosophy is

- (a) reusability ()
- (b) reliability ()
- (c) abstraction ()
- (d) continuity ()

8. The only object that is not a collection and is not contained within another container in the DAO is
- (a) table def ()
 - (b) group ()
 - (c) DB engine ()
 - (d) workspace ()
9. _____ is used to display the data in a tabular format on the form.
- (a) List ()
 - (b) Flexgrid ()
 - (c) Table ()
 - (d) All of the above ()
10. To insert a picture into a picture box, we can use _____ method.
- (a) load ()
 - (b) load image ()
 - (c) load picture ()
 - (d) add image ()

(5)

II. Tick (✓) whether the following statements are True or False :

$$1 \times 5 = 5$$

1. A menu that binds all the forms and reports together into one homogenous object is called the commercial application.

(True / False)

2. Each ODBC driver will communicate effectively only with the database for which the driver was built.

(True / False)

3. Delete method deletes the record in the recordset as well as from the database/table to which the recordset is bound.

(True / False)

4. A picture box control is used because if ever the form is maximized the control will automatically expand to fit the window.

(True / False)

5. The file created by the crystal report's designer has a '.CRT' extension.

(True / False)

SECTION-II

(Marks : 10)

III. Answer the following questions : 2×5=10

1. What are input box and message box?

(a) A window

(b) An output

(c) A database
for storing data
in a tabular
format

(d) A list
of items

(e) A table
of values

(f) All of the above

A picture box controls in need because it can
display various files containing text or graphics.
To insert a picture from a file, we can
use the method.

(a) Print

(b) Load
picture
(c) Picture
box

(d) Picture

2. Define generic and specific object variables with examples.

3. What is a command button? List out two events of a command button.

(8)

4. What is ActiveX control? Mention the advantages of using ActiveX control.

III. Answer the following questions. 2x5=10

Q. What are input box and message box?

(9)

5. What are crystal reports? When do you use crystal reports?

★ ★ ★