

C.B.C.S.S. - B.Sc. DEGREE EXAMINATION, APRIL 2011

Fourth Semester

Complementary Course—Computer Science

VISUAL PROGRAMMING TECHNIQUES

(Common for B.Sc. Mathematics, Model I B.Sc. Statistics, B.Sc. Industrial Microbiology and Zoology and B.Sc. Petrochemicals)

Time : Three Hours

Maximum Weight : 25

Part A

Answer all questions.

Each bunch of 4 questions carries a weight of 1.

- I. 1 The database scheme or structure is expressed in a special language called :
- (a) DDL. (b) DML.
(c) DCL. (d) DSL.
- 2 The keyword used to declare a constant in Visual Basic is :
- (a) Constant. (b) Con.
(c) Const. (d) def.
- 3 Which of the following is not a looping statement ?
- (a) For.... Next. (b) While....wend.
(c) DO. (d) Select....case.
- 4 Parameters that are present in the calling function or procedure are called :
- (a) Static parameters. (b) Dynamic parameters.
(c) Actual parameters. (d) Formal parameters.
- II. 5 In the IDE, which of the following is used to design the layout of an application ?
- (a) form designer window.
(b) Project explorer window.
(c) Context menu.
(d) form layout window.

Turn over

- 6 Which of the following data type is used to represent a true or false value ?
(a) Byte. (b) Boolean.
(c) date. (d) Single.
- 7 The main building blocks of a VB application is :
(a) reports. (b) menus.
(c) forms. (d) events.
- 8 The controls which displays the data requested from a DB in a table format is ?
(a) data grid. (b) record set.
(c) DB combo. (d) Text box.
- III. 9 Menus are created using _____.
- 10 OLEDB stands for _____.
- 11 _____ is a popular interface in which you can have multiple documents or forms open in one application.
- 12 _____ is a combination of text box and a list box.
- IV. 13 _____ buttons provide mutually exclusive selection.
- 14 Arrays are declared using the keyword _____.
- 15 The _____ property of command button is used to incorporate picture file.
- 16 Controls are bound to data control using the property called _____.

(4 × 1 = 4)

Part B

*Answer any five of the following.
Each question carries a weight of 1.*

- 17 What are the data types used in VB ?
- 18 Compare SDI and MDI.
- 19 Define OLEDB.
- 20 Compare procedures and functions in VB.
- 21 What are the data manipulation operations available in MS ACCESS ?
- 22 What is the function of MS message box and input box ? ✓
- 23 What are VB projects ?
- 24 Define Jet DAO.

(5 × 1 = 5)

Part C

*Answer any four of the following.
Each question carries a weight of 2.*

- 25 What is DBMS? Explain the structure of DBMS.
- 26 Briefly explain the looping statements in VB with example.
- 27 Define menus. How will you create a menu? ✓
- 28 Discuss the features and advantages of VB.
- 29 Briefly explain the purpose of list box and combo box. ✓
- 30 Discuss the properties of ADO and its application in VB.

(4 × 2 = 8)

Part D

*Answer any two of the following.
Each question carries a weight of 4.*

- 31 Briefly explain the different windows in the Visual Basic IDE.
- 32 Briefly explain forms in VB.
- 33 What are the different types of controls used in VB?

(2 × 4 = 8)