

B.Sc. DEGREE (C.B.C.S.S.) EXAMINATION, MARCH/APRIL 2012**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 A collection of interrelated data and a set of programs to access those data is called _____.
- 2 A _____ is a tool used to display information or retrieve information from the uses.
- 3 _____ is used to create mutually exclusive options.
- 4 A _____ is a combination of a text box and a list box.
- II. 5 OLEDB stands for _____.
- 6 A constant in VB is declared using the keyword _____.
- 7 The _____ type record set provides updatable views of data.
- 8 Menus are designed using _____.
- III. 9 A _____ always returns a value.
- (a) Object. (b) Procedure.
- (c) Function. (d) Menu.
- 10 VB is based on _____ programming model.
- (a) Object-oriented. (b) Event-driven.
- (c) Function-oriented. (d) Control-based.
- 11 The application name always appears in the :
- (a) Properties window. (b) Code window.
- (c) Title bar. (d) Intermediate window.
- 12 A _____ statement is used to exit from a loop or a function in a control structure before the 'end of these' :
- (a) Exit. (b) Break.
- (c) End. (d) Stop.

Turn over

- IV. 13 The ——— property of the command button is used to incorporate a picture file.
- (a) Appearance. (b) Back colour.
(c) Caption. (d) Style.
- 14 The main building blocks of a VB application is :
- (a) Reports. (b) Forms.
(c) Menus. (d) Events.
- 15 The number of bytes used to store an integer data is :
- (a) 2 bytes. (b) 1 byte.
(c) 4 bytes. (d) 8 bytes.
- 16 Visual Basic passes all arguments to procedures as ——— by default.
- (a) Pass by reference. (b) Pass by value.
(c) True. (d) False.

(4 × 1 = 4)

Part B

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

- 17 What do you mean by Visual Basic IDE ? What are its parts ?
- 18 Define Jet DAO.
- 19 How will you create a database using MS Access ?
- 20 What is OLEDB ? What is its purpose ?
- 21 Compare constants and variables.
- 22 What are the data types used in VB ?
- 23 Explain the function of dialog boxes.
- 24 Define control arrays.

(5 × 1 = 5)

Part C

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

- 25 Explain the various fields in a menu editor.
- 26 Explain the structure of a DBMS.
- 27 What are Visual Basic programming projects and explain how to design user interface.
- 28 What are the main features of VB ?

- 29 Explain any four control statements in VB.
- 30 Compare functions and procedures in VB.

(4 × 2 = 8)

Part D

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

- 31 Briefly explain the various controls used in VB and its purposes.
- 32 How will you create a form in VB ? Explain MDI forms.
- 33 Explain ADO data control.

(2 × 4 = 8)