

AS-1485

B.Sc. (Part—III) Semester—VI Examination
COMPUTER SCIENCE
(PL/SQL and Advanced Visual Basic)

Time : Three Hours]

[Maximum Marks : 80

Note :—(1) All questions are compulsory.

(2) Question 1 carries 8 marks.

(3) All questions from 2 to 13 carry equal marks.

(4) Assume suitable data wherever necessary.

(5) Support your answers with neat sketches and diagrams if necessary.

1. (A) Fill in the blanks and rewrite the following : 2

(i) The intersect clause contains single set of records which satisfies _____ queries.

(ii) Cursors defined by the users are called _____ .

(iii) An array whose size can be changed is called _____ array.

(iv) The _____ property is used to know the number of controls on the form.

(B) Select the correct alternative and rewrite the following :— 2

(i) To include integrity constraint in an existing relation use :

(a) Create table

(b) Modify table

(c) Alter table

(d) Drop table

(ii) Following is not a privilege :

(a) System

(b) Schema Object

(c) Database

(d) Type

(iii) The method used to produce the print dialog box is _____ :

- (a) ShowPrint
- (b) ShowPrinter
- (c) Show Print
- (d) Show Printer

(iv) The _____ list box lets the user select folder :

- (a) Drive
- (b) File
- (c) Directory
- (d) Folder

(C) Answer the following questions in one sentence each :—

4

- (i) What is a cursor ?
- (ii) What is ROLE ?
- (iii) What is dynamic array ?
- (iv) What happens if you open a file for sequential output access and the file already exists ?

2. (A) Explain the following data integrity constraints :—

6

- (i) Foreign key
- (ii) Null
- (iii) Check.

(B) Explain the following Numeric functions with suitable example :—

6

- (i) Round ()
- (ii) Max ()
- (iii) Avg ()
- (iv) Sum ()

OR

3. (A) What is data integrity ? Explain its types.

6

(B) Explain the self join operation with appropriate example.

6

4. (A) What is a cursor ? Explain implicit and explicit cursor. 6
(B) What is PL/SQL ? State the features of PL/SQL. 6

OR

5. (A) Explain the decision making statements supported by PL/SQL with example. 6
(B) Explain the data types supported by PL/SQL. 6
6. (A) What is database user ? How they can be created and removed ? 6
(B) Explain the following commands with the syntax and example.
(i) GRANT
(ii) REVOKE. 6

OR

7. (A) Explain the importance of establishing a security policy for the database. 6
(B) What is a role ? How privileges can be granted to and revoked from a role ? 6
8. (A) What is a common dialog box control ? Explain the need for a common dialog box in VB projects. 6
(B) Explain the List Box control with associated properties and methods. 6

OR

9. (A) Explain the procedure of producing Font dialog box. 6
(B) Explain the following mouse events with example : 6
(i)MouseDown
(ii) MouseMore
(iii) MouseUp.
10. (A) What is a Forms Collection ? Explain accessing the forms collection using the subscript. 6
(B) Explain Print method for placing text on a form with example. 6

OR

11. (A) Explain the use of count property for Forms Collection. 6
(B) Explain the process of Placing ToolBar on form. 6
12. (A) Explain various file modes used to open a file in VB. 6
(B) Explain the following file system controls :
(i) Drive List Box (ii) Directory List Box (iii) File List Box. 6

OR

13. (A) Explain the syntax of Open statement with example. 6
(B) Explain the opening and closing of random access file with example. 6