

**B.Sc. (Part-III) Semester-VI Examination**

**6S : COMPUTER SCIENCE**

**(PL/SQL and Advanced Visual Basic)**

Time : Three Hours]

[Maximum Marks : 80

**Note** :— (1) All questions are compulsory.

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

(3) Assume suitable data wherever necessary.

(4) Support your answers with neat sketches and diagrams for due credit.

(5) Question **1** carries **8** marks.

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

(i) \_\_\_\_\_ provide a way for your program to select multiple rows of data from the database and then process each row individually.

(ii) \_\_\_\_\_ join is used to join a table to itself.

(iii) \_\_\_\_\_ property of timer control sets time in milliseconds.

(iv) \_\_\_\_\_ method of Listbox control is used to add items in the Listbox. 2

(b) Select the correct alternative :

(i) \_\_\_\_\_ cursors are declared and used by the users to process multiple rows, returned by SELECT statement :

(a) Implicit

(b) Explicit

(c) Internal

(d) External

(ii) \_\_\_\_\_ command marks and saves the current point in the processing of transaction.

(a) Savepoint

(b) Rollback

(c) Select

(d) None of these

(iii) Which is not a standard dialog box ?

(a) Color Dialog

(b) Font Dialog

(c) Open Dialog

(d) Zoom Dialog

(iv) The standard prefix for a dialog control is :

(a) dal

(b) dia

(c) dil

(d) dlg 2

(c) Answer the following in **one** sentence :

(i) What is a Transaction ?

(ii) What is meant by Join ?

(iii) What is the need of dialog box ?

(iv) What is an Array ? 4

2. (a) Explain following functions with examples :

(i) LTRIM

(ii) RTRIM

(iii) DECODE. 6

(b) Explain the outer join operation with an example. 6

**OR**

3. (a) Explain the following SQL functions with example :  
(i) FLOOR  
(ii) LPAD  
(iii) SQRT. 6  
(b) Explain the following with example :  
(i) Intersection  
(ii) Union. 6
4. (a) Explain PL/SQL control structures with example. 6  
(b) Explain the following transaction processing commands with example :  
(i) Rollback  
(ii) COMMIT  
(iii) Savepoint. 6

**OR**

5. (a) How to handle exception in PL/SQL ? Explain with example. 6  
(b) What are cursors ? Explain the types of cursors with example. 6
6. (a) Explain GRANT and REVOKE with example. 6  
(b) How to create and grant the roles ? Explain. 6

**OR**

7. (a) What are Privileges and Roles ? Explain. 6  
(b) Explain data locks with suitable example. 6
8. (a) Explain open dialog boxes with example. 6  
(b) What is an Array ? Explain initialization and declaration of array in V.B. with example. 6

**OR**

9. (a) Explain file save dialog box with example. 6  
(b) How to add and remove elements in list box control ? Explain with example. 6
10. (a) Explain form collection using the subscripts. 6  
(b) How to place buttons on toolbar control ? Explain with example. 6

**OR**

11. (a) What is the use of COUNT property ? Explain with example. 6  
(b) Explain placing text on forms with example. 6
12. (a) Explain the following :  
(i) PUT statement  
(ii) GET statement. 6  
(b) How to lock a file ? Explain. 6

**OR**

13. (a) Explain :  
(i) Write # statement  
(ii) Input # statement. 6  
(b) Write a program in V.B. for reading and writing from sequential file. 6