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