

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

6S : COMPUTER SCIENCE

PL/SQL & Advanced Visual Basic

Time : Three Hours]

[Maximum Marks : 80

- Note :-**
- (1) **ALL** questions are compulsory.
 - (2) Question No. 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 :
- (i) When the table is joined with itself, the join is called as _____.
 - (ii) The standard prefix for the name of a combo box is _____.
 - (iii) The file opening mode _____ opens a file number to a file for random read and write access.
 - (iv) The PL/SQL function _____ is used to find the square root.

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

- (i) The method used to produce the print dialogue box is _____.
 - (a) Show Printer (b) Show Font
 - (c) Show Colour (d) Show Print
- (ii) The PL/SQL datatype RAW is used to store _____.
 - (a) Numbers
 - (b) Binary Data
 - (c) Characters
 - (d) Variable length character strings
- (iii) The PL/SQL function used to find maximum value from an attribute is _____.
 - (a) GREATEST () (b) EXP ()
 - (c) LEAST () (d) MAX ()
- (iv) The standard prefix for the name of a Drive List Box is _____.
 - (a) Drv (b) LstDrv
 - (c) DrvLst (d) None of the above

(C) Answer the following questions in **one** sentence :

- (i) What is an equijoin ?
- (ii) State the purpose of a DECODE() function.
- (iii) What is a List Box Control ?
- (iv) What is a common dialogue box control ?

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(B) State and explain the procedure for adding a tool bar to the form. 6

OR

11. (A) Explain the following terms :

- (i) Unloading forms
- (ii) Count property. 6

(B) State and explain, how the Print method can be used to position text on a form ? 6

12. (A) Explain the opening and closing of a random access file. Give example. 6

(B) Explain the Print # Statement along with it's syntax. Give example. 6

OR

13. (A) Explain the following :

- (i) Freefile () function
- (ii) Locking the file. 6

(B) State and explain the file related commands with example. 6

2. (A) Explain the following number functions. Give suitable examples :
(i) MAX (ii) GREATEST
(iii) MIN (iv) LEAST. 6
(B) Explain the outer join operation with suitable example. 6

OR

3. (A) Explain the following number functions. Give suitable examples :
(i) TO-NUMBER (ii) FLOOR
(iii) AVG (iv) SUM 6
(B) Explain the self join operation with suitable example. 6
4. (A) Explain the block structure of PL/SQL. 6
(B) Explain the transaction processing commands of PL/SQL. Give examples. 6

OR

5. (A) Explain the decision making statements supported by PL/SQL with example. 6
(B) What is a cursor ? Explain implicit and explicit cursors. 6

6. (A) What is a database user ? How can they be created and removed ? 6
- (B) Explain the concept of data locks for the security of a database. 6

OR

7. (A) Explain the various types of database users. 6
- (B) What is a role ? How can they be created and removed ? Explain with example. 6
8. (A) What is a dialog box control ? Explain the various types of dialog box controls supported by VB. 6
- (B) Explain the On Error Goto statement with syntax and example. 6

OR

9. (A) Explain the procedure to produce a font dialog box. 6
- (B) Explain the timer control with associated properties and methods 6
10. (A) State and explain the properties, events and methods related to forms. 6