

B.Sc. (Part-III) Semester-VI Examination
6S : COMPUTER SCIENCE
(PL/SQL and Advanced Visual Basic)

Time : Three Hours]

[Maximum Marks : 80

N.B. :- (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/tables wherever necessary.

(5) Support your answer with neat sketches and diagrams, programs modules, syntax if necessary.

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

(i) The _____ mode opens a file for sequential output at the end of the file.

(ii) Combo box is the combination of Textbox and _____.

(iii) The PL/SQL function _____ is used to find smallest integer value that is greater than or equal to a number.

(iv) _____ statement to end your current transaction and make permanent all changes performed in the transaction. 2

(b) Select the correct alternatives and rewrite the following :

(i) The PL/SQL data type _____ is used to store variable length character data.

(a) Integer

(b) Number

(c) VARCHAR 2

(d) Date

(ii) A _____ is a temporary work area created in the system memory when a SQL statement is executed.

(a) Rollback

(b) Commit

(c) Cursor

(d) Savepoint

(iii) Which property is used for counting number of controls on the form ?

(a) Form Count

(b) Count Form

(c) Count

(d) Print

(iv) Which of the following is not a style of Combo box control ?

(a) Simple combo

(b) Dropdown combo

(c) Dropdown list

(d) Combo 2

- (c) Answer the following question in **one** sentence :
- (i) What is outer joins ?
 - (ii) What is role ?
 - (iii) What is the use of print method ?
 - (iv) What is random access file ? 4
2. (a) Explain the following number functions with example :
- (i) GREATEST ()
 - (ii) FLOOR ()
 - (iii) TRUNC () 6
- (b) Explain the equi-join operation with suitable example. 6
- OR**
3. (a) Explain the following data integrity constraints with example :
- (i) Check
 - (ii) Not null
 - (iii) Primary key. 6
- (b) Explain the following character functions with example :
- (i) INITCAP
 - (ii) UPPER
 - (iii) SOUNDSEX. 6
4. (a) Explain the datatypes supported by PL/SQL. 6
- (b) Explain the following terms :
- (i) Savepoint
 - (ii) Rollback. 6
- OR**
5. (a) Explain the following terms :
- (i) Commit
 - (ii) Rollback Segment. 6
- (b) What is cursor ? Explain possible operations with cursor. 6
6. (a) Explain the types of privileges for database user. 6
- (b) Explain the following commands with example :
- (i) GRANT
 - (ii) REVOKE. 6

OR

7. (a) Explain the various types of database users. 6
(b) Explain the term data locks with suitable examples. 6
8. (a) What is common dialog box control ? Explain various dialog boxes in VB. 6
(b) Explain the concept of multiple list box with suitable example. 6

OR

9. (a) What is the use of combo box control ? Explain with example. 6
(b) Explain dynamic array in VB with suitable example. 6
10. (a) State and explain the use of print method for writing text onto the form. 6
(b) What is form collection ? How forms can be accessed using subscript ? Explain with example. 6

OR

11. (a) State and explain how multiple forms can be used inside VB application. 6
(b) Explain the use of count property with example. 6
12. (a) Explain how read and write operation is performed on sequential access file. 6
(b) Write a VB program to create random access file. 6

OR

13. (a) Explain the various file opening modes in VB. 6
(b) Explain following with examples :
(i) GET statement
(ii) PUT statement
(iii) Close statement. 6

