

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 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) The PL/SQL function _____ is used to find the absolute value.
 (ii) When the table is joined with itself, it is called as _____.
 (iii) The _____ control contains the images you will place on the toolbar.
 (iv) A _____ is the group of forms currently opened in your application. 2

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

- (i) The PL/SQL datatype RAW is used to store _____.
 (a) Numbers (b) Binary data
 (c) Variable length strings (d) Characters
- (ii) SQL security scheme is based on _____.
 (a) Database (b) Client
 (c) View (d) Privileges
- (iii) The _____ control generates responses based on computer's internal clock.
 (a) Time (b) Timer
 (c) Date (d) Clock
- (iv) A _____ data type is composed of prefixing various data types :
 (a) Single (b) Integer
 (c) User-defined (d) Variant 2

- (C) Answer in **one** sentence each :
- (i) What is static array ?
 - (ii) Which function returns the next unused file number ?
 - (iii) What is meant by Domain ?
 - (iv) What is savepoint ? 4
2. (A) Explain how to enforce data integrity on a relation. 6
- (B) Explain the following character function with example :
- (i) Lpad ()
 - (ii) Rtrim ()
 - (iii) Length ()
 - (iv) Upper (). 6
- OR**
3. (A) Explain Outerjoin with example. 6
- (B) Explain any six numeric functions with example. 6
4. (A) Explain the block structure of PL/SQL with example. 6
- (B) Explain the datatypes supported by PL/SQL. 6
- OR**
5. (A) Explain the decision making statements supported by PL/SQL with example. 6
- (B) Explain the transaction processing commands supported by PL/SQL with example. 6
6. (A) Explain the various types of database users. 6
- (B) Explain duties of database administrator. 6
- OR**
7. (A) Explain the importance of establishing a security for the database. 6
- (B) Explain the concept of data locks for the security of a database. 6
8. (A) Explain the procedure of producing color dialog box with example. 6
- (B) Explain the following with example :
- (i) Static array
 - (ii) Dynamic array. 6

OR

9. (A) What is a common dialog box control ? Write a procedure to produce Save As dialog box. 6
(B) Explain the following with properties :
(i) Timer control
(ii) List Box control. 6
10. (A) State and explain how multiple forms in VB applications can be created and processed ? 6
(B) Explain Print method for the following with example :
(i) Placing text on form
(ii) Format with print. 6

OR

11. (A) What is Forms Collection ? Explain count property for Forms Collection with example. 6
(B) Explain the method of placing toolbar on forms with example. 6
12. (A) Explain the following statements with example :
(i) Print #
(ii) Write #
(iii) Input # 6
(B) Explain various file related commands with example. 6

OR

13. (A) What is a file ? Explain file opening modes with example. 6
(B) What is random file ? Explain the use of put and get statements to process random file. 6

