

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

COMPUTER SCIENCE

Paper—6S

PL/SQL and Advanced Visual Basic

Time : Three Hours]

[Maximum Marks : 80

Note :—(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 wherever necessary.

(5) Support your answers with neat sketches and diagrams if necessary.

1. (A) Fill in the blanks and rewrite the following : 2

(i) _____ is the procedural extension to the SQL.

(ii) The standard prefix for the name of a listbox is _____.

(iii) The file opening mode _____ opens a file number to a file for sequential output at the end of the file.

(iv) The PL/SQL function _____ is used to find the absolute value.

(B) Select the correct alternative and rewrite the following : 2

(i) The method used to produce the help dialogue box is _____.

- (i) Helpshow
- (ii) ShowFont
- (iii) ShowColor
- (iv) ShowHelp

(ii) Which of the following functions is not an aggregate function ?

- (i) AVG()
- (ii) MAX()
- (iii) LEAST()
- (iv) SUM()

(iii) ComboBox is a combination of _____.

- (i) ListBox and TextBox
- (ii) ListBox and InputBox
- (iii) ListBox and MessageBox
- (iv) Label and TextBox

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

- (i) NUMBER
- (ii) VARCHAR 2
- (iii) INTEGER
- (iv) RAW

(B) What is an array ? How can they be declared and used ? Explain with example. 6

10. (A) What is a forms collection ? How can it be accessed ? 6

(B) State and explain the use of Print method for writing text onto the form. 6

OR

11. (A) State and explain how new properties can be created for a form. 6

(B) State and explain how multiform VB applications can be created and processed. 6

12. (A) Explain the file opening modes. 6

(B) Explain the Input # statement along with its syntax. Give example. 6

OR

13. (A) Explain the opening and closing of a sequential file. Give example. 6

(B) Explain various file controls. 6

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

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- (i) State the purpose of a **SOUNDEX()** function.
- (ii) What is a cursor ?
- (iii) What is a Self Join ?
- (iv) What is the Timer control ?

2. (A) What is data integrity ? Explain its importance to databases. 6

(B) Explain the equijoin operation with suitable example. 6

OR

3. (A) Explain the following character functions. Give suitable examples. 6

- (i) INSTR
- (ii) LTRIM
- (iii) RPAD

(B) Explain the following integrity constraints : 6

- (i) Primary key
- (ii) Foreign key
- (iii) Check

4. (A) Explain the data types supported by PL/SQL. 6

- (B) Explain the following terms : 6
- (i) AutoCommit
 - (ii) Rollback Segment

OR

5. (A) Explain with example, the loop control structures provided by PL/SQL. 6
- (B) Explain the cursor attributes. 6
6. (A) Explain the importance for establishing a security policy for a database. 6
- (B) What is a role ? How privileges can be granted to and revoked from the database users ? 6

OR

7. (A) Explain the duties of a database administrator. 6
- (B) Explain the types of privileges for database users. 6
8. (A) What is a dialog box control ? Explain the need for a common dialog box control in VB projects. 6
- (B) Explain various mouse events. 6

OR

9. (A) Explain the procedure to produce a color dialog box. 6