AV–1824

B.Sc. Part–III (Semester–VI) Examination
COMPUTER SCIENCE
(PL/SQL and 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/tables wherever necessary.

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

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

   (i) _____ SQL function used for average of column values of a task.

   (ii) PL/SQL stands for _____ .

   (iii) Combo box is the combination of list box and _____ .

   (iv) _____ method of the form is used for writing contents, text onto the form.   2

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

   (i) _____ returns a character string containing the phonetic representation of char.

      (a) decode( )   (b) soundex( )

      (c) Instr( )   (d) RTrim( )

   (ii) The PL/SQL function used to find the maximum value from an attribute is _____ .

      (a) exp( )   (b) max( )

      (c) greatest( )   (d) least( )

   (iii) The method used to produce font dialog box is :

      (a) ShowFont   (b) FontShow

      (c) Font   (d) Show

   (iv) Dim value (1 to 5, 1 to 5) As Double, is example of :

      (a) One dimensional array   (b) Two dimensional array

      (c) Three dimensional array   (d) One and two dimensional array both   2

   (c) Answer the following question in **one** sentence :

   (i) What is equi join ?

   (ii) What is cursor ?

   (iii) What is sequential access file ?

   (iv) What is the use of timer control ?   4

2. (a) Explain the following character functions with syntax and examples :

   (i) INSTR (ii) RTRIM (iii) LPAD   6

   (b) Explain outer join operator on task with example.   6

OR

3. (a) Explain the following number functions with syntax and example :
   (i) ABS (ii) CEIL (iii) TO-NUMBER   6
   (b) Explain union and intersection operation with suitable example.   6

4. (a) Explain the following terms :
   (i) Roll back   (ii) Save point   6
   (b) Explain the cursor with its attributes.   6

OR

5. (a) Explain the block structure of PL/SQL. Give example.   6
   (b) Explain the following terms :
   (i) Commit   (ii) Rollback segment   6

6. (a) What is DBA ? Explain the functions of DBA concern to database security.   6
   (b) Explain the following with example :
   (i) GRANT   (ii) REVOKE   6

OR

7. (a) What is a role ? How it is created ? Explain with suitable example.   6
   (b) Explain the importance for establishing a security policy for a database.   6

8. (a) Explain the procedure to add print dialog box to VB application.   6
   (b) Explain the various mouse events used in VB.   6

OR

9. (a) Explain the following with examples :
   (i) List box control   (ii) Timer control   6
   (b) Explain the use of combo box with its types.   6

10. (a) State and explain the use of print method for formatted output on the form.   6
    (b) What is the use of count property ? Explain with example.   6

OR

11. (a) Explain the procedure for accessing the form collection using the subscript.   6
    (b) Explain the following :
    (i) SDI   (ii) MDI   6

12. (a) Explain the opening and closing of a random access file. Give example.   6
    (b) Write a VB program to create sequential access file.   6

OR

13. (a) Explain the following with example :
    (i) Input statement (ii) Write statement (iii) Close statement   6
    (b) Explain the file opening modes.   6