

8. (a) Explain PL/SQL Block with appropriate example. 6

(b) Explain if-then and for statement in PL/SQL with example. 6

**OR**

9. (a) Explain cursor control commands open, fetch, close with example. 6

(b) What is the use of Savepoint ? Explain with example. 6

10. (a) Define Privileges. Explain GRANT with OPTION privileges with example. 6

(b) Explain database triggers with example. 6

**OR**

11. (a) Explain the importance of establishing a security policy for the database. 6

(b) Explain the following :

(i) GRANT

(ii) REVOKE. 6

12. (a) What are the advantages and disadvantages of dynamic SQL ? 6

(b) How to enter data in SQL\* forms ? Explain with example. 6

**OR**

13. (a) Explain Dynamic Queries with example. 6

(b) Explain the procedure to create the Report. 6

**AQ-707A**

**B.Sc. Part-II (Semester-IV) Examination**

**4S : COMPUTER APPLICATIONS (Voc.)**

**(Advanced VB and RDBMS)**

Time—Three Hours]

[Maximum Marks—80

**Note :—** (1) Question No. 1 is compulsory.

(2) Question Nos. 2 to 13 carry equal marks.

(3) Assume suitable data wherever necessary.

1. (a) Fill in the blanks :

(i) \_\_\_\_\_ method is used to create a new ADO connection object.

(ii) To call a procedure \_\_\_\_\_ keyword is used along with the procedure name.

(iii) In PL-SQL errors can be handled using \_\_\_\_\_.

(iv) In PL-SQL transaction is made permanent by using \_\_\_\_\_ command. 2

(b) Choose the correct alternatives :

(i) \_\_\_\_\_ shows appearance and behaviour of a control.

(a) Code

(b) Event

(c) Method

(d) Property

(ii) \_\_\_\_\_ method is used to print numeric and text data on the printer.

- (a) Page                      (b) Print  
(c) Enddoc                    (d) Newdoc

(iii) \_\_\_\_\_ attribute becomes true when fetching operation becomes successful.

- (a) % FOUND                (b) % NOT FOUND  
(c) % OPEN                 (d) None of these

(iv) \_\_\_\_\_ attribute counts total number of rows returned by the fetch operation.

- (a) % OPEN                (b) % FOUND  
(c) % ROWCOUNT (d) None of these    2

(c) Answer in one sentence :

- (i) Enlist the properties of data control in VB.  
(ii) What is the use of Application Wizard ?  
(iii) What is cursor ?  
(iv) What is the use of GRANT command ?    4

2. (a) Explain passing data by value with suitable example.                      6  
(b) What is the difference between user defined function and procedure ? Explain with example.                      6

**OR**

3. (a) Explain passing data by reference in VB function.                      6  
(b) Explain passing control as argument.                      6  
4. (a) Explain the simple database connectivity in VB with example.                      6  
(b) Explain advanced database control using VB application wizard.                      6

**OR**

5. (a) Explain advance data control in VB.                      6  
(b) Write a code to create student database and hold the name, Roll-no., sub1, sub2, sub3 and sex for each student.                      6  
6. (a) What is print collection ? Explain how the print collection is accessed ?                      6  
(b) Design and write a program in VB to calculate the sum of digits of the number entered by the user.                      6

**OR**

7. (a) What is printer object ? Explain various properties of it.                      6  
(b) Write a program to print the following pattern :

```

1
1 2
1 2 3
1 2 3 4

```

6