

PSG COLLEGE OF ARTS & SCIENCE  
(AUTONOMOUS)  
BCom DEGREE EXAMINATION MAY 2017  
(Fourth Semester)

Branch - e-COMMERCE  
RDBMS AND ORACLE

Time : Three Hours

Maximum : 75 Marks

SECTION-A (20 Marks)

Answer ALL questions

ALL questions carry EQUAL marks (10 x 2 = 20)

- 1 What is the difference between DBMS and RDBMS?
- 2 What is Normalization?
- 3 Write down the command to alter the table.
- 4 What are DDL statements?
- 5 write any five Built-in-functions.
- 6 List down the types of set operations.
- 7 Define: Cursor.
- 8 List down the types of exceptions.
- 9 Give the syntax for defining procedures.
- 10 write down any two uses to Triggers.

SECTION - B (25 Marks!)

Answer ALL Questions

ALL Questions Carry EQUAL Marks (5 x 5 = 25)

- 11 a Briefly explain about the relational data model.  
OR  
b Give an account on De-normalization.
- 12 a Outline the naming rules and conventions in Oracle.  
OR  
b Write a short note on client/server databases.
- 13 a Explain about join types with examples.  
OR  
b Explain in detail about the grouping operations.
- 14 a Write a note on PL/SQL block.  
OR  
b What is cursor? Explain the following static cursors with syntax,  
i) Open ii) Fetch iii) Close
- 15 a Write a short notes on PL/SQL packages.  
OR  
b Give an account on Records in PL/SQL.

SECTION - C (30 Marks)

Answer any THREE Questions

ALL Questions Carry EQUAL Marks (3 x 10 = 30)

- 16 Discuss in detail about various types of normal forms.
- 17 Explain data types and constraints in SQL.
- 18 Explain the following DML statements:  
i) Create ii) Insert iii) Delete iv) Update
- 19 Discuss on different Loop structure available in SQL with an example.
- 20 Explain the following PL/SQL composite data type:  
i) Table ii) Array iii) Functions