

**PSG COLLEGE OF ARTS & SCIENCE**  
(AUTONOMOUS)  
**BCom DEGREE EXAMINATION MAY 2019**  
(Fifth Semester)

Branch – **COMMERCE WITH COMPUTER APPLICATIONS**

**RDBMS & ORACLE**

Time : Three Hours

Maximum : 75 Marks

**SECTION-A (20 Marks)**

Answer **ALL** questions

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

- 1 Expand the term RDBMS and what do you understand by relational approach.
- 2 Define Referential key.
- 3 List out and give the syntax of any 3 DDL commands.
- 4 Write a query to change the size of the attribute ename as 20 for the table with the schema employee (eno, ename, sal).
- 5 The employee table contains 20 rows. Write a command to retrieve the name of all employees whose name starts with 'A'.
- 6 List out the set operators.
- 7 Give the syntax of nested control block.
- 8 Define cursor.
- 9 Define Triggers.
- 10 Define view.

**SECTION - B (25 Marks)**

Answer **ALL** Questions

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

- 11 a Expound on Data Modelling.  
OR  
b Explain about relational languages.
- 12 a Discuss on SQL \* Plus environment and commands.  
OR  
b What do you mean by constraints? How will you create a table with constraints?
- 13 a Explain DELETE and DROP with an example.  
OR  
b Give the syntax of case structure. Explain with an example.
- 14 a Discuss on TCL commands.  
OR  
b Expound on different patterns of IF statement in PL / SQL.
- 15 a Describe about Procedures.  
OR  
b Write short notes on views.

**SECTION - C (30 Marks)**

Answer any **THREE** Questions

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

- 16 Give a brief note on : (i) Dependency (ii) Normal Forms.
- 17 Consider the table structure given below and write a query for the following :  
Student (Rollno, Name, Class, Course, age)  
(i) Create the above table with the constraints :  
  - (a) Rollno as Primary key
  - (b) Class should be in I, II, III
  - (c) Course should be in BA, BSc, MA, MS [use check constraints for b, c, d]
  - (d) Age should be in the range of 17 to 25.
 (ii) Alter the table by increasing the size of Name Field.  
 (iii) Rename a Table as Stu-INFO.  
 (iv) Drop a table student.
- 18 Give an example and explain the concept of Joins and Set operations.
- 19 Discuss on cursors.
- 20 Elucidate on Functions and Triggers.