

PSG COLLEGE OF ARTS & SCIENCE
(AUTONOMOUS)

BSc DEGREE EXAMINATION MAY 2017
(Fourth Semester)

IS'CTUQJO

Branch- COMPUTER TECHNOLOGY

RELATIONAL DATABASE MANAGEMENT SYSTEM

Time : Three Hours

Maximum : 75 Marks

SECTION-A (20 Marks)

Answer ALL questions

ALL questions carry EQUAL marks (10x2 = 20)

- 1 Mention any two applications of database.
- 2 Differentiate Instance and Schema.
- 3 State the use of SELECT operation in relational algebra.
- 4 What is Normalization?
- 5 How to modify the table structure in ORACLE?
- 6 Write the syntax for ALTER with modify.
- 7 Write the syntax for updating the content of a table.
- 8 List the various cursor attributes.
- 9 Compare and contrast procedure with function.
- 10 When Triggers are called?

SECTION - B (25 Marks)

Answer ALL Questions

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

- 11 a Describe the different levels of data abstraction.
OR
b Explain about transaction management.
- 12 a Explain Inner join operation with example.
OR
b How to normalize a table into the first normal form? Explain with example.
- 13 a Discuss the data types in ORACLE. *
OR
b How null values are treated in various operations?
- 14 a Explain the transaction locks in ORACLE.
OR
b Write short notes on cursors.
- 15 a Create a Row trigger to insert the existing values of the salary table into a new table when the salary table is updated.
OR
b Write the syntax of a function and explain with example.

SECTION - C (30 Marks)

Answer any THREE Questions

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

- 16 Draw an ER diagram for student database and explain it.
- 17 Explain the second and third normal form with example.
- 18 What are the various ways to filter the values entering into database?
Justify with example.
- 19 - Explain in detail about stored procedures..
- 20 Discuss the different **types** of triggers with suitable **example**.