

PSG COLLEGE OF ARTS & SCIENCE
(AUTONOMOUS)

BSc DEGREE EXAMINATION MAY 2018
(Fourth Semester)

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

(10 x 2 = 20)

- 1 Define Database.
- 2 What is meant by transaction management?
- 3 Write any two relational operations.
- 4 Define Normalization.
- 5 Give the difference between dropping and deleting tables.
- 6 What is meant by Sub query ?
- 7 Write the query to grant permission.
- 8 Define Cursor.
- 9 Give ant two advantage of Procedure.
- 10 Write the difference between procedure and function.

SECTION - B (25 Marks)

Answer ALL Questions

ALL Q uestions Carry EQUAL Marks (5 x 5 — 25)

- 11 a Write the purpose of Database System.
OR
b Explain about database users.
- 12 a Explain the fundamental operations of relational algebra.
OR
b What are normal forms⁰ Explain.
- 13 a Discuss about data constraints with relevant example.
OR
b What are joins? Explain its types.
- 14 a Write short note on Views.
OR
b Explain about locks in Oracle.
- 15 a Give the advantages of Functions.
OR
b Write down the syntax for creating a stored procedure.

SECTION - C (30 Marks)

Answer any THREE Questions

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

- 16 Explain about Database architecture.
- 17 Draw an ER diagram for hospital management system and explain.
- 18 Discuss the various faces of select command with example.
- 19 What is meant by Stored procedure? Explain its type.
- 20 Flow to create a trigger? Explain its types with example.