

PSG COLLEGE OF ARTS & SCIENCE
(AUTONOMOUS)

BSc DEGREE EXAMINATION DECEMBER 2023
(Third Semester)

Branch – COMPUTER SCIENCE WITH DATA ANALYTICS

RELATIONAL DATABASE MANAGEMENT SYSTEMS

Time: Three Hours

Maximum: 50 Marks

SECTION-A (5 Marks)

Answer ALL questions

ALL questions carry EQUAL marks

(5 x 1 = 5)

- 1 An undo operation is called a _____.
(i) Rollback (ii) Commit
(iii) Read (iv) Write
- 2 Which of the following allows you to uniquely identify a tuple?
(i) Schema (ii) Attribute
(iii) Super key (iv) Domain
- 3 _____ SQL commands are used to delete a table from the database.
(i) Purge (ii) Truncate
(iii) Delete (iv) Drop
- 4 Views are also called as _____.
(i) Complex tables (ii) Simple tables
(iii) Virtual tables (iv) Actual tables
- 5 Which parameter is used to pass a value to the subprogram?
(i) IN (ii) OUT
(iii) IN OUT (iv) OUT IN

SECTION - B (15 Marks)

Answer ALL Questions

ALL Questions Carry EQUAL Marks

(5 x 3 = 15)

- 6 a Describe the components included in the Storage manager.
OR
b State the meaning of query language. Classify it.
- 7 a Point out the mapping cardinalities between entity sets.
OR
b Bring out the rules for Armstrong axioms.
- 8 a Compare primary key and unique key constraints.
OR
b Classify the logical operators used in SQL query.

Cont...

- 9 a Point out the list of object privileges.
OR
b Summarize the explicit cursor management in Oracle.
- 10 a Write down the steps for executing a procedure in Oracle.
OR
b How to apply database triggers in SQL * Plus?

SECTION -C (30 Marks)

Answer ALL questions

ALL questions carry EQUAL Marks

(5 x 6 = 30)

- 11 a Enumerate the goal of database users and administrators.
OR
b Compare database schema and database instance.
- 12 a Outline the major components of ER diagram with example.
OR
b Discuss the deletion operations in SQL.
- 13 a Highlight the various faces of SELECT command with its syntax.
OR
b Elucidate the concept of grouping data from tables in SQL.
- 14 a Explain how to create the sequence in SQL.
OR
b Define transactions. Justify the events occur in transaction.
- 15 a Outline the syntax of creating a stored procedure.
OR
b Summarize the row and statement triggers with example.

Z-Z-Z END