

**PSG COLLEGE OF ARTS & SCIENCE
(AUTONOMOUS)**

**BBA DEGREE EXAMINATION MAY 2024
(Fourth Semester)**

Branch – **BUSINESS ADMINISTRATION (INFORMATION SYSTEM)**

RELATIONAL DATABASE MANAGEMENT SYSTEM

Time: Three Hours

Maximum: 50 Marks

SECTION-A (5 Marks)

Answer ALL questions

ALL questions carry EQUAL marks

(5 x 1 = 5)

1 Which Oracle data type is commonly used to store date and time information?

- | | |
|------------|---------------|
| (i) NUMBER | (ii) VARCHAR2 |
| (iii) DATE | (iv) BOOLEAN |

2 Which SQL*Plus function is used to clear the screen?

- | | |
|-----------|------------|
| (i) CLEAR | (ii) CLS |
| (iii) SCR | (iv) CLEAN |

3 In a SQL query, what does a self-join refer to?

- (i) A query that combines two tables.
- (ii) A query that joins a table with itself.
- (iii) A query that performs a UNION operation.
- (iv) A query that uses subqueries.

4 What is PL/SQL?

- | | |
|-------------------------------------|------------------------------|
| (i) A data modeling language | (ii) A scripting language |
| (iii) A procedural extension of SQL | (iv) A NoSQL database system |

5 Which statement is used to create a database trigger in Oracle?

- | | |
|-----------------------|-----------------------|
| (i) CREATE TRIGGER | (ii) BEGIN TRIGGER |
| (iii) DECLARE TRIGGER | (iv) INITIATE TRIGGER |

SECTION - B (15 Marks)

Answer ALL Questions

ALL Questions Carry EQUAL Marks

(5 x 3 = 15)

6 a Define an Entity in a Database.

OR

b What does DDL stand for in SQL, and what is its primary purpose?

7 a What is the role of the SQL GROUP BY clause in a query?

OR

b How SQL set operator returns all rows from both SELECT statements, including duplicate rows?

8 a What is the purpose of the Second Normal Form (2NF)?

OR

b Define a self-join and provide a simple example.

9 a Define the purpose of control structures in PL/SQL?

OR

b Which data types are commonly used in PL/SQL for variable declaration?

Cont...

- 10 a What is a subprogram in the context of database programming?
 OR
 b How can you enable and disable triggers in Oracle?

SECTION -C (30 Marks)

Answer ALL questions

ALL questions carry EQUAL Marks

(5 x 6 = 30)

- 11 a Discuss the role of the Data Definition Language (DDL) in SQL with examples.
 OR
 b Discuss how DML statements, such as INSERT, UPDATE, and DELETE, are used to manage data in a database.
- 12 a Explain the differences between the following SQL SELECT statements: SELECT * FROM table, SELECT column1, column2 FROM table, and SELECT DISTINCT column FROM table.
 OR
 b Explain SQL set operators, including UNION, UNION ALL, INTERSECT, and MINUS.
- 13 a Discuss the various applications of synonyms in a database with examples.
 OR
 b Explain integrity constraint is used to define conditions that must be true for a row to be entered into a table?
- 14 a Explain how objects are used in Oracle 8, including their definition, storage, and retrieval.
 OR
 b Discuss the advantages of using PL/SQL for database programming.
- 15 a How subprograms are passed as parameters?
 OR
 b Explain the 4 types of triggers in SQL?

Z-Z-Z

END