

PSG COLLEGE OF ARTS & SCIENCE
(AUTONOMOUS)

MCom(CA) DEGREE EXAMINATION MAY 2022
(Second Semester)

Branch – COMMERCE WITH COMPUTER APPLICATIONS

ORACLE

Time: Three Hours

Maximum: 50 Marks

SECTION-A (5 Marks)

Answer ALL questions

ALL questions carry EQUAL marks (5 x 1 = 5)

- 1 Update anomalies will be eliminated in -----
a) 1NF b) 2NF
b) c) BCNF d) 4NF
- 2 ALTER is -----Command
a) DML b) DDL
c) DCL d) DTL
- 3 SELECT Customers.customer_id, Customers.first_name, Orders.amount
FROM Customers JOIN Orders ON Customers.customer_id = Orders.customer;
a) Inner Join query b) Sub query
b) c) Nested query d) a,b & c
- 4 In PL/SQL the *active sets* of rows are hold by
a) Function b) cursor
b) c) trigger d) procedure
- 5 The procedural code that is automatically executed in response to certain events on
a particular table or view in a database is called as
a) Function b) cursor
b) c) trigger d) procedure

SECTION - B (15 Marks)

Answer ALL Questions

ALL Questions Carry EQUAL Marks (5 x 3 = 15)

- 6 a) Expound on Relational data model
(OR)
b) Discuss on Integrity rules.
- 7 a) List out the DDL commands and give the syntax and example for
CREATE and DELETE
(OR)
b) How the *check* constraint could be used in queries? Give syntax and query to
check for the condition that age should be >18.
- 8 a) Which query can be used for retrieving rows from a table? Give the syntax and
Query to retrieve the names which starts with the letter 'A' and salary in the
range of 20000 to 50000.
(OR)
b) Explicate on sorting the rows using SQL query.
- 9 a) Give the structure of PL/SQL and its data types.
(OR)
b) Clarify the use of Control structures with an example.

Cont...

10 a) How the *procedures* are used to avoid repetition of codes in PL/SQL.

(OR)

b) How will you create and use V arrays? Explain.

SECTION -C (30 Marks)

Answer ALL questions

ALL questions carry EQUAL Marks

(5 x 6 = 30)

11 a) Expound on Data Modeling.

(OR)

b) Give a detailed explanation about Normalization.

12 a) Write short notes on : i) Renaming a table ii) Spooling iii) error codes

(OR)

b) Consider the schema *employee(eid,ename,did,doj)*, *dept(did, dname)*. Create the tables with relevant constraints and give query to insert rows and delete rows with did=d12. Analyse whether the tables are Normalized. If not Normalize the tables.

13 a) Give the syntax and explain the use of CASE , SET operations and JOIN.

(OR)

b) List out any 10 string and arithmetic Built in Functions with syntax. Find the number of days January 2023 using *DATEDIFF* function.

14 a) Explicate about Embedded SQL.

(OR)

b) Give a detailed explanation and working of cursors and exceptions.

15 a) Give the syntax for trigger function and write a trigger code for before and after delete operation.

(OR)

b) Design a PL/SQL script using function to find maximum number from the given set of numbers.

Z-Z-Z

END