

BACHELOR'S DEGREE (C.B.C.S) EXAMINATION, MARCH 2025**2019, 2020, 2021, 2022 ADMISSIONS SUPPLEMENTARY****SEMESTER IV - GENERAL****VSD4G06B18 - Advanced SQL with Oracle****Time : 3 Hours****Maximum Marks : 80****Part A****I. Answer any Ten questions. Each question carries 2 marks****(10x2=20)**

1. Explain with syntax how to sort a table in SQL.
2. Define Physical data independence.
3. Describe the use of synonym in SQL.
4. Differentiate between LPAD() and RPAD().
5. Differentiate between UNION and UNION ALL set operators.
6. Describe INTERSECT operator.
7. Discuss PL/SQL.
8. Explain importance of Begin section in a PL/SQL block.
9. Explain Continue statement in PL/SQL.
10. Name decision making statements in PL/SQL.
11. Name the types of cursors in PL/SQL.
12. Explain Cursor in PL/SQL.

Part B**II. Answer any Six questions. Each question carries 5 marks****(6x5=30)**

13. Describe with diagram, the levels of abstraction in a database.
14. Explain the different types of attributes in a dbms.
15. Explain with example and syntax the aggregate function SUM().
16. Explain the number functions available in SQL.
17. Discuss varchar () datatype.
18. Elaborate on character and string datatype.
19. Explain the syntax for defining a variable in PL/SQL.
20. Write a PL/SQL block to set the sales commission to 10% if the sales revenue is greater than 200,000. Otherwise, the sales commission is set to 5%.
21. Explain in detail different types of cursors used in PL/SQL.

Part C**III. Answer any Two questions. Each question carries 15 marks****(2x15=30)**

22. Create table *stcemployee* with the fields ID, Name, Age, Address. Insert 5 records into the table
Write SQL Commands for

1. Retrieve all the records from the table
2. Add one more column 'Salary' to the table
3. Update the salary column of every record
4. Retrieve the names of employees whose age>30

5. Retrieve the name of the employee whose salary=4500

23. Explain the SET operators used in SQL with syntax and examples for each.

24. Explain different components of oracle server.

25. Illustrate the creation of table based records with suitable example.