

1268/A32

MAY 2008

CLIENT SERVER COMPUTING WITH ORACLE

Time : Three hours Maximum : 100 marks

PART A — (6 × 5 = 30 marks)

Answer any SIX questions.

1. What is a database? Explain with example that stores student information system.
2. Explain any two types of data independence.
3. Explain the disconnected, personal computing model.
4. What are the advantages of client server computing?
5. Explain the data types used in Oracle SQL.
6. Explain the DDL commands to create and modify tables.
7. Explain conditional control in PL/SQL with suitable table examples.

8. Write a PL/SQL block to find the greatest of the given three numbers.
9. Explain database backup.
10. Write PL/SQL program to check if the given number is odd or even.

PART B — ($4 \times 10 = 40$ marks)

Answer any FOUR questions.

11. Discuss various advantages of using a DBMS.
12. Explain ER model with suitable example.
13. Explain Inheritance, class hierarchy. and polymorphism.
14. Write a PL/SQL block to generate first n prime numbers.
15. What is SQL? Write its classification with suitable examples.
16. Explain the configuring SQL*Net for an Oracle Client/Server System

PART C — ($2 \times 15 = 30$ marks)

Answer any TWO questions.

17. (a) Explain relational model with suitable example
(b) Discuss the pitfalls of client server computing.
18. (a) Explain the following manipulation commands using SQL with their syntaxes and examples :
(i) UPDATE and
(ii) DELETE.
(b) Explain the following transaction control commands. With their syntaxes and examples :
(i) COMMIT
(ii) ROLLBACK
(iii) SAVEPOINT.
19. (a) Write a PL/SQL program to find the factorial of a given non-negative integer.
(b) Explain how the DBA planning for database installation.