



LOYOLA COLLEGE (AUTONOMOUS), CHENNAI – 600 034

B.Sc. DEGREE EXAMINATION – COMPUTER SCIENCE

FOURTH SEMESTER – APRIL 2015

CS 4504 - RDBMS AND ORACLE

Date : 16/04/2015
Time : 09:00-12:00

Dept. No.

Max. : 100 Marks

PART - A

Answer ALL the Questions

(10 x 2 = 20)

1. Give the difference between Where clause and having clause.
2. Differentiate Primary Key and Foreign Key.
3. Define Functional Dependency.
4. Define Locks. Give its Types.
5. Define Constraint. Give its types.
6. Give any two conversion functions.
7. State the purpose of Index
8. Define Cursors. Give its types
9. Define Functions. Give its uses.
10. Define Stored Procedures.

PART - B

Answer ALL the Questions

(5 x 8 = 40)

11. Define Database. Explain the three levels of Database architecture.

(or)

Explain the classification of Integrity Constraints with examples.

12. Define Transaction in terms in Commit and Rollback. Discuss about its Properties.

(or)

Explain three concurrency Problems.

13. Elaborate on DDL and DML commands.

(or)

Give the syntax of Decode and Case and explain the same with an example.

14. Write short notes on Synonyms and Sequences.

(or)

Define Exception. Write about predefined exceptions.

15. Write short notes on Database Triggers.

(or)

Define Procedure. Give its syntax. Explain passing parameters to procedures with example.

PART - C

Answer Any TWO Questions

(2 x 20 = 40)

16. (a) Explain ER Diagram with Banking Domain as example.
(b) Define Normalization. Discuss about 1NF, 2NF, 3NF and BCNF.
17. (a) Define View. Explain Creating, Dropping and altering the same with an example.
(b) Discuss about the major divisions of Data types in PL/SQL with their usage.
18. (a) Define Packages. Give its Syntax and Uses. Discuss about package overloading.
(b) Solve the following queries. Library(Book_id, Book_name, Author_name, Book_type, No_copies, Available_copies, Cost)
(i) List all books with author name starting in 'BA'
(ii) Find all available books in computer science.
(iii) Find all Fiction books whose cost is within the range 650 to 750.
(iv) List all Mathematics and Physics books.
(v) Select all the rows of cost in ascending order.

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