



LOYOLA COLLEGE (AUTONOMOUS), CHENNAI – 600 034

B.Sc. DEGREE EXAMINATION – STATISTICS

FIFTH SEMESTER – NOVEMBER 2014

ST 5407 - SQL AND PL SQL

Date : 10/11/2014
Time : 09:00-12:00

Dept. No.

Max. : 100 Marks

Part A

Answer ALL the questions:

10 X 2 = 20

1. Define Non – redundancy.
2. What is data dictionary?
3. Define Physical data independence
4. How do you define SDL in database system?
5. What is Strong entity set?
6. Define One to One relationship
7. Write a command to display table records in SQL.
8. What is Super key?
9. Write a command using Like operator with an example.
10. How to create a View from table?

Part B

Answer any FIVE questions:

5 X 8 = 40

11. Elucidate the functions of database administrator.
12. What are the advantages and disadvantages of relational model?
13. Explain centralized database management system.
14. Explain entity and referential integrity rule.
15. What is SQL and explain their features?
16. List out the properties of Relations in relational model.
17. Explain the terms primary key, foreign key and composite key with example.
18. Illustrate the use of SUM(), VARIANCE(), Count(), MAX() in SQL.

Part C

Answer any TWO questions:

2 X 20 = 40

19. Explain hierarchical, Network and Relational Model in DBA.
20. a) Describe various types of user in DBMS
b) Explain three-tier DBMS architecture. (8+12)
21. Explain Data definition Language and Data manipulation Language with an example
22. Describe the following relational algebraic operations with an example
 - a) Equi join (5)
 - b) Inner and Outer join (5)
 - c) Cartesian product (5)
 - d) Selection and Projection (5)
