



LOYOLA COLLEGE (AUTONOMOUS), CHENNAI – 600 034

B.Sc. DEGREE EXAMINATION – STATISTICS

FIFTH SEMESTER – APRIL 2018

ST 5407- SQL AND PL SQL

Date: 08-05-2018
Time: 09:00-12:00

Dept. No.

Max. : 100 Marks

Part A

Answer ALL the questions.

10 X 2 = 20

1. Define distributed database.
2. Define data dictionary.
3. Write a short note on client server system.
4. Define database administrator.
5. What is cardinality?
6. What is an object privilege?
7. Define Instance.
8. Explain data independence?
9. Write a PL/SQL program to update a record in a table.
10. What is data warehousing?

Part B

Answer any FIVE questions.

5 X 8 = 40

11. Elucidate the features of the data in the database.
12. Distinguish between file based and database management systems.
13. Explain the following
 - a) Naïve user
 - b) Online user
 - c) Application program
 - d) Database administrator
14. Explain the terms primary key, foreign key and composite key with examples.
15. Illustrate the use of SUM(), DECODE(), MAX() in SQL.
16. Explain transaction control language
17. Explain Three tier architecture in DBMS.
18. Write a SQL program for finding Fibonacci series.

Part C

Answer any TWO questions.

2 X 20 = 40

19. Explain the overall disk structure in detail.

20. Explain the following models with illustration.

- a) Hierarchical model
- b) Network model
- c) Relational model

(6+6+8)

21. Describe the following join function in SQL

- a) Cartesian join
- b) Equi join
- c) Self join
- d) Outer join

(5+ 5+5+5)

22. . Explain the following terms with examples.

- a) Select b) Insert c) Update d) Delete e) Create f) Alter table
 - g) Drop **Table** h) Truncate **Table**
- (8 x 2.5 = 20)
