LOYOLA COLLEGE (AUTONOMOUS), CHENNAI – 600 034

B.Sc. DEGREE EXAMINATION – **STATISTICS**

FIFTH SEMESTER – NOVEMBER 2017

ST 5407 - SQL AND PL SQL

Date: 15-11-2017
Time: 09:00-12:00

Dept. No.

Max. : 100 Marks

Section – A

Answer all the questions.   (10 x 2 = 20)

1. Define distributed database.

2. What do you understand by subschema?

3. List out the fourth generation languages in SQL.

4. What is hierarchical model?

5. What is pinned and unpinned record?

6. Define cardinality in relational model.

7. Write any two properties of primary key

8. What is the purpose of Break on command in SQL.

9. Write the syntax for TRUNC function with an example.

10. Define data warehousing.

Section – B

Answer any five questions.   (5 x 8 = 40)

11. a) Compare file management system and database management system
        b) Define data integrity.

12. Explain external, logical and internal level with illustration.

13. Write the advantages and disadvantages of client server DBMS.

14. Explain Three-tier DBMS architecture.

15. Draw an ER – diagram to show the cricket team statistics.

16. Explain Transactional Control Language with an example.

17. What is integrity constraint? Explain each of them.

18. Write a PL/SQL code to retrieve the employee name, join-basic, and designation, of an employee whose number is input by the user.

Section – C

Answer any TWO questions.   **(2 x 20 = 40)**

19. Explain the disk structure in the functional components of database system.

20. Describe centralized, distributed and parallel DBMS with illustration.

21. Explain the following terms with appropriate examples:

        a) Union

        b) Intersect

        c) Difference

        d) Cartesian Product

22. Explain the following command with an example

        a) Select   b) create   c) alter   d) drop   e) insert

        f) update   g) delete

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