LOYOLA COLLEGE (AUTONOMOUS), CHENNAI – 600 034

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

FIFTH SEMESTER – NOVEMBER 2016

ST 5407 - SQL AND PL SQL

Date: 11-11-2016   Dept. No.   Max. : 100 Marks
Time: 09:00-12:00

Part A

Answer ALL the questions.

10 X 2 = 20

1. Define Database management system.
2. What is data warehouse?
3. What is view definition language?
4. Why do we have foreign key in database?
5. Write down the difference between select and project operator?
6. What is composite key?
7. How to update a table in SQL.
8. What is the Not Null constraint?
9. Write any two uses of View.
10. Write any two properties of relation in SQL.

Part B

Answer any FIVE questions.   **5 X 8 = 40**

11. Describe various types of user in DBMS
12. Explain file based and database management systems.
13. Explain relational model in DBMS.
14. How insert, delete, update operations are done in a hierarchical model?
15. Explain the terminologies related to relational model.
16. What is integrity constraint? explain each of them.
17. Explain Transactional Control Language with an example.
18. Draw an ER- diagram for Hospital management system?

Part C

Answer any TWO questions.   **2 X 20 = 40**

19. Describe the disk structure in the functional components of database system.
20. Describe the following model
    a) Hierarchical
    b) Network
    c) Relational Model

21. Explain the following functions in SQL.
    a) Number function   **(6)**
    b) Aggregate function   **(6)**
    c) Character function   **(4)**
    d) Conversion function   **(4)**

22. Explain Data definition Language and Data manipulation Language with an example.

****