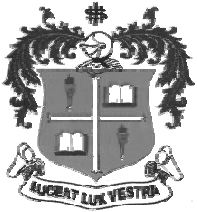


LOYOLA COLLEGE (AUTONOMOUS), CHENNAI – 600 034



B.Sc. DEGREE EXAMINATION – STATISTICS

FIFTH SEMESTER – NOVEMBER 2013

ST 5403/ST 5401 - DATABASE MANAGEMENT SYSTEMS

Date : 18/11/2013
Time : 9:00 - 12:00

Dept. No.

Max. : 100 Marks

Section – A
Answer all the questions

(10 x 2 =20)

1. Write any two features of the data in the database.
2. Define data sub language.
3. State any two advantages of file base systems.
4. Define schemas and instances.
5. What are the main components in DBMS?
6. Define host language.
7. What is composite key?
8. What are different types of Meta data?
9. Give some properties of relational data.
10. How to sort the record in SQL.

Section – B
Answer any five questions

(5 x 8 =40)

11. Distinguish file management system and database management system.
12. Write the advantages of file oriented system.
13. What are the steps are involved in the procedure for database access?
14. Define the following term
 - a) Tuples
 - b) Cardinality
 - c) Degrees of relation
 - d) Domain
 - e) Body of relation
15. Explain the following
 - a) Centralized DBMS
 - b) Parallel DBMS
 - c) Client – Server DBMS
16. Explain the referential integrity rules with example.
17. Write short notes on Data Manipulative Language.
18. Explain characteristics functions in SQL

Section – C

Answer any two questions

(2 x 20 = 40)

19. Compare the following three models

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

20. a) Draw an ER – diagram to show the cricket team statistics.

b) Explain primary key and foreign key with illustrations. (10 +10)

21. (i) Explain the following functions with example

a) CEIL b) FLOOR c) MOD d) POWER e) ROUND f) SQRT

(ii) Explain the conversion function with example in SQL. (10 + 10)

22. a) Write a program for creating the user name and password in PL/SQL.

b) Explain Decision support system. (10 +10)
