

Post Graduate Diploma in Chemoinformatics
Annual Examinations – 2006

Paper: PGDC – 104
Chemoinformatics Database Design and their Management

Time allowed: Three hours

Maximum Marks: 100

SECTION – I

Marks

Attempt all questions.

1X20=20

1. A database is a collection of _____ data.
2. Database, includes _____ to control access, particularly for writing.
3. A data manipulation language (DML) is used to perform insertion, _____ and updates.
4. A non-procedural query language is used to express request for _____ retrievals.
5. The schema describes the _____ of the databases.
6. Normalization is the process of organizing data in a _____.
7. A relational DBMS has a distribution _____.
8. Redundant data wastes disk spaces and creates _____.
9. Microsoft Access is used to create and uses:
i) Databases ii) Spreadsheets iii) Documents.
10. You can create a report using an:
i) Auto Report ii) Auto Table iii) Auto Access
11. You can start a query using:
i) Query wizard ii) Table wizard iii) Simple query wizard
12. Access is a _____ database.
13. To create a database in Access you create a _____.
14. Delete query is used to _____ records.
15. SQL allows the use of _____ expressions in queries, using conventional arithmetic operators and functions.
16. A DML is a language which enables users to access and _____ manipulate.
17. Data manipulation language commands are SELECT, _____, UPDATE and DELETE.
18. What are the strengths of SQL?
19. In DDL is a _____ of language.
20. The DDL can be used as _____ file system interpreter.

SECTION – II

Attempt any five questions.

6X5=30

1. What is database? What are the advantages of database system?
2. Write a note on the views of the database?

3. What is data normalization? What is the standard deviation for a column of number?
4. What is the importance of 3rd normal form in database management system?
5. Describe the process of saving, running and printing a query?
6. What do you understand by relational database?
7. Discuss SQL language in detail?
8. Discuss data definition language in detail and what are the limitations?

SECTION – III

Attempt any three questions.

10X3=30

1. Discuss CODD rules in detail.
2. How can you create a table of query using a make-table query in Access?
3. Discuss the types of DATABASE SYSTEMS?
4. Describe iterative resolution algorithms in DDL?
5. Write a small essay on SQL languages?