

M-50/2110

10534/N
Set-2

Time: 3 hrs.

PGDCA-201: Database Management System

M.M.70

Note: Attempt two questions each from section A and B carrying 10 marks each and the entire Section C consisting of 10 questions of 3 marks each.

Section-A

1. Write the characteristics of database management system.
2. Who is DBA? Write the responsibilities of DBA.
3. How ER diagram is converted in to table? Explain with example.
4. Briefly explain network model and hierarchical model.

Section-B

5. Explain first three normal forms.
6. Explain the problems arising out of concurrency.
7. Explain methods of implementing security in DBMS.
8. Explain the syntax and use of SELECT statement of SQL with various clauses.

Section-C

9. Write short answer to these questions:
 - i. Define candidate key.
 - ii. What is entity integrity?
 - iii. What is DCL?
 - iv. What is data independence?
 - v. What is view in database?
 - vi. What is weak entity?
 - vii. Write the use of Relational Algebra.
 - viii. Define functional dependency.
 - ix. What is authentication?
 - x. Write difference between table and view.