

II Semester B.Sc. (I.T.) Examination, June/July 2010
RDBMS
(Freshers)

Time : 3 Hours

Max. Marks : 75

Instruction : Answer ***all*** questions from Part – A, and answer ***any 5*** questions from Part – B.

PART – A

(10×2+5×1=25)

1. Explain DBMS.
2. What is Data Redundancy ?
3. What is an Entity ?
4. What is Referential integrity ?
5. What is Attribute ?
6. What is Tuple ?
7. What is Relational Algebra ?
8. What is Relational Calculus ?
9. What is Normalization ?
10. What do you mean by Atomicity ?
11. Explain the following :
 - a) Serializability
 - b) Recoverability
 - c) DML commands
 - d) DDL commands
 - e) Rollback.

P.T.O.

PART – B

(5×10=50)

1. What is Data model ? Write a short note on various types of data models.
 2. Explain Tuple Relational Calculus.
 3. What is Normalization ? Explain various methods of normal forms.
 4. Explain the Buffer Management.
 5. Explain Cost-Based plan selection with example.
 6. Explain the architecture for a Locking Scheduler.
 7. Explain Parallel systems.
 8. Explain different Database security levels.
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