



MS 14

I Semester M.Sc. (I.T.) Examination, Dec. 2009/Jan. 2010
ADVANCED RDBMS
(Freshers)

Time : 3 Hours

Max. Marks : 75

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

PART – A

1. Distinguish between weak and strong entity. **(10×2+5×1=25)**
2. Define relationship.
3. What is relational calculus ?
4. What is EER model ?
5. What are structure type ?
6. List the different types of concurrency control.
7. Write the disadvantages of ORDMS.
8. What are spatial databases ?
9. List the major issues of datamining.
10. Who are stake holders ?
11. Briefly explain the following :
 - a) Overlap constraint
 - b) ODMG
 - c) Data warehouse
 - d) Datamining query language
 - e) Datamart.

P.T.O.



PART – B

Answer **any five** :

(5×10=50)

1. How are entities classified ? Explain various types with example.
 2. Explain relational and object oriented databases.
 3. What are structure types ? Explain OQL.
 4. With the help of diagram, explain various types of parallel system architecture.
 5. Explain the following relational algebra operations with example :
 - i) Selection
 - ii) Projection
 - iii) Union
 - iv) Natural join.
 6. Explain general directory system project.
 7. Explain the classification of datamining system.
 8. Explain datamodel quality along with its factors and concepts.
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