

**IV Semester B.Sc. (I.T.) Examination, June/July 2010
DATA BASE MANAGEMENT SYSTEM (DBMS) – III**

Time : 3 Hours

Max. Marks: 75

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

PART – A

Briefly explain the following :

(10×2+5×1=25)

1. Why is recovery needed in database system ?
2. What is a serialized schedule ?
3. Why is sheared/exclusive locking scheme required ?
4. What are the two possible states of binary lock ?
5. What is shadow page ?
6. What is super user account ?
7. What is data warehouse ?
8. What is search Engine ?
9. What are digital libraries ?
10. What is geographic information system ?
11. Explain the following terms :
 - a) EIS
 - b) SQL
 - c) KDD
 - d) CART
 - e) CHAID.

P.T.O.



PART – B

Answer **any five** :

(5×10=50)

1. Explain the four desirable transaction commonly called as ACID properties.
 2. What is locking technique ? Explain different locking technique for concurrency control.
 3. With neat diagram. Explain shadow paging.
 4. What is data mining ? Explain the overall process of data warehouse.
 5. Explain in detail architecture of internet database.
 6. Explain different types of search tools used in search engine.
 7. Discuss the types of data used in mobile computing application.
 8. Write a note a multimedia database.
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