

# FACULTY OF ENGINEERING

B.E. 3/4 ( CSE ) II Semester (Old) Examination, May 2007

Subject: **Distributed Data Bases**

Time : 3 Hours

Max. Marks: 75

**Note:** Answer all questions of Part - A and answer any FIVE questions from Part - B.

## PART-A (25 Marks)

1. What is Embedded SQL?
2. What are RAD tools?
3. What are ODBC cursors?
4. What are the data types represented by ODBC?
5. What is data fragmentation?
6. What are the various transparency levels?
7. What is serializability?
8. What is meant by query optimization?
9. Differentiate between Authorization and Protection.
10. What is Concurrency Control?

## PART-B (50 Marks)

- 11.a. Describe the client/server model in the context of database applications.  
b. What is a cursor? Illustrate its uses with suitable examples.
- 12.a. Describe the features of Call Level Interface.  
b. What is a Distributed Database? Illustrate with an example.
13. Identify the different components of ODBC architecture? Explain the function of each component.
14. What are global queries? Describe with suitable examples how global queries are translated into fragment queries.
15. Explain 2 phase commit protocol, with a suitable examples.
16. What is reliability? Briefly describe the non-blocking commit protocols.
17. Write short notes on the following :
  - i) Distributed dead locks
  - ii) ODBC connection model.