- 6. Explain any distributed query optimization algorithm by taking suitable example.
- 7. Discuss the following concepts in detail :
 - (a) Distributed Concurrency Control
 - (b) Distributed Serializability.
- 8. Explain the working of distributed two-phase locking protocol by taking some suitable example.

2

Exam. Code : 208602 Subject Code : 4827

M.Sc. Information Technology 2nd Semester DISTRIBUTED DATABASES

Paper : MIT-202

Time Allowed—2 Hours] [Maximum Marks—100

- **Note :—** There are **Eight** questions of equal marks. Candidates are required to attempt any **Four** questions.
- (a) Discuss the advantages of distributed database management systems.
 - (b) Draw and explain the architecture of DDBMS.
- 2. Explain the features of the following architectural models :
 - (a) Client Server Systems
 - (b) Peer to Peer distributed systems.
- 3. (a) What are the reasons for the fragmentation for distributed relational database design ? Explain.
 - (b) How horizontal fragmentation is carried out ? Explain.
- 4. Discuss the procedure of allocation used for distributed database design.
- Discuss the working of the following concepts for DDBMS :
 - (a) Query Processing
 - (b) Localization of Distributed Data.

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14001(2721)/II-5743