examples to illustrate the use of this concept.

Explain image and multimedia databases. Give the proper

Write difference between spatial and Geographical data.

RDBMS and explain why?

Explain mobile database in detail.

example of R tree.

http://www.rgpvonline.com

Colour Histograms

Generalization

8. Write short note on:

Web server

Quad trees

\*\*\*\*\*

b) Describe about tools for accessing the web database.

http://www.rgpvonline.com

http://www.rgpvonline.com

MCIT - 105
M.E./M.Tech., I Semester

Roll No ...

Examination, June 2016

## Advance DBMS

Time: Three Hours

Maximum Marks: 70

**Note:** Attempt any five questions. All questions carry equal marks.

Explain the ACID properties of transactions.

- Describe the concept of transitive dependency and explain how this concept is used to define 3MF.
- Draw ER diagram for Railway Reservation system.
  - What is decomposition and how does it address redundancy? What problem may be caused by the use of decomposition?
- What do you mean by query processing and optimization and discuss the tools and technique for query processing.
  - Discuss deadlock detection in distributed database contrast the centralized, hierarchical and time out approaches.
- Explain the difference between data replication in a distributed system and the maintenance of a remote backup site.
  - What is a commit protocol and why is it required in distributed database? Describe and compare two phase and three phase commit.

MCIT-105

http://www.rgpvonline.com

http://www.rgpvonline.com

MCIT-105

PTO