V Semester B.E. (CSE/ISE) Degree Examination,
December 2014/January 2015
(2K11 Scheme)
CI 51 : DATABASE MANAGEMENT SYSTEMS

Time : 3 Hours   Max. Marks : 100

Instruction : Answer **any 5** question selecting atleast **2** from **each** Part.

PART – A

1. a) Explain File system U/S DBMS. **4**

   b) Describe briefly people who deal with databases. **8**

   c) Discuss data model and database languages an Interfaces. **8**

2. a) Explain briefly ER model concepts. **10**

   b) Discuss database design issues. **10**

3. a) Explain ER model mapping to relations. **10**

   b) Discuss various relational algebra operation with suitable examples. **10**

4. a) Discuss briefly the SQL operations with suitable examples. **12**

   b) Explain views and Assertions SQL. **8**

PART – B

5. a) What is normalization and functional dependencies. **5**

   b) Explain different NF's with suitable examples. **15**

6. a) Explain RAID Technology. **10**

   b) Describe Heap and Sorted files. **10**

7. a) Explain ORACLE architecture. **10**

   b) Discuss the features of MS Access. **10**

8. Write short notes on : **(4×5=20)**

   a) Data mining

   b) Data warehousing

   c) Multimedia databases

   d) Mobile databases.

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