**EIS-54** 

## B.E. (Illrd Sem.) (CGPA) (CSE) Examination-2015 DATA BASE MANAGEMENT SYSTEM

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Time Allowed : Three Hours Maximum Marks : 60

Paper: CS-304

Note: Attempt all questions.

Each question carry equal marks.

- Q.I (a) List differences between a file processing system and DBMS.
  - (b) Explain the difference between the two-tier and three tier client/server architecture.

or

- (a) Describe five main function of a database administrator.
- (b) Make comparison between the strong entity and weak entity.

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(2) Explain the network database model with an example. (b) Explain the following features of ORACLE-Sequence SQL loader (a) Discuss the candidate key, primary key, super key, composite key and alternate key. (b) Write short note on integrity constraints. (a) Explain the basic relational algebra operations Q.III with the symbol used and example for each. (b) What do you mean by the tuple relational calculus? What are its operations. Consider the relations-EMP (ENO, ENAME, AGE, BASIC) WORK\_ON (ENO, DNO) DEPT (DNO, DNAME, CITY) Express the following queries in SQL-

Contd. ....

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