

# BACHELOR IN COMPUTER APPLICATIONS (BCA)

## Term-End Practical Examination

01094

December, 2011

CS-67P : RDBMS LAB

Time allowed : 2 hours

Maximum Marks : 75

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**Note :** There is **one compulsory** question in this paper carrying **50 marks**. Rest **25 marks** are for *viva-voce*. You may use any **RDBMS** for implementation. Make and state suitable assumptions, if any.

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1. In a Database system maintained by a Department of a Institute keeps track of courses taught by a faculty. A faculty can teach many courses and a course may be taught by many faculty members. The information stores about faculty include his/her id, name, qualifications and specialisation, whereas for course course id, name, minimum number of lectures required etc. is stored. Perform the following activities for the system given above.
- (a) Design and implement the normalised relations/tables for the requirements given above. You should include primary key (in each table) and validation checks and referential integrity constraints, wherever needed; in your implementation. 20
  - (b) Enter about 5-6 sets of meaningful data in each of table. 10
  - (c) Design and implement the following queries/forms and reports. 20
    - (i) A form to enter information about faculty
    - (ii) A form to enter information about the courses
    - (iii) A query to find the number of courses taught by each faculty
    - (iv) A query to find the specialisation of the faculty member's who are teaching the course whose name is DBMS.
    - (v) A report that lists course details in the order of course names.