

**BACHELOR IN COMPUTER APPLICATIONS (BCA)****Term-End Practical Examination****June, 2010****04427****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 DBMS for implementation. Make suitable assumptions, if any.*

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1. A student record management system keeps track of the following :

- The registration of student in a semester of BCA programme : A student is allowed to register for a semester, if she/he has registered for all the earlier semesters. For example, if a student is wanting to register for 4<sup>th</sup> semester of BCA she/he should have duly registered for the 1<sup>st</sup>, 2<sup>nd</sup> and 3<sup>rd</sup> semesters.
- The fee paid for each registration.
- The student basic data such as name, father's name, mother's name, address, telephone, email address, etc. is also maintained by the system.

Perform the following activities for the system as above :

- (a) Design and implement the normalised relations/tables for the requirements given above. Include keys, validation checks, constraints including referential integrity constraints in your implementation. **20**
- (b) Enter about 5 - 6 sets of meaningful data in each of the relation/table. **10**
- (c) Design and implement the following queries/forms/reports for the database : **20**
- A form to enter student's basic data.
  - A form to enter student's registration data.
  - A query to find the registration details of a student along with her/his name and address, given his/her enrolment number.
  - A query to find the details of the fee submitted by a student.
  - A report/list of students who have registered for 4<sup>th</sup> semester for the current year and semester.