

BACHELOR IN COMPUTER APPLICATIONS (BCA)**Term-End Practical Examination****01939****June, 2011****CS-67P:RDBMS LAB***Time allowed : 2 hours**Maximum Marks : 75*

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 suitable assumptions, if any.*

1. A university needs to keep track of various proposals for projects submitted by its students. The system maintains the following information :
- Student details - which includes student ID, student name, student-address and phone
 - Proposal details - proposal number, title, student ID of the student who had submitted the proposal, status of proposal, guide - ID, date of submission.
 - Guide details - Guide-ID, Guide name, qualification and number of years of experience.
- A student is allowed to submit a new proposal only if the status of older proposal is "disapproved". Perform the following activities for the university :
- (a) Design and implement the normalised relations/tables for the requirements given above. You should include primary key for each table, 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 information about a new synopsis submission.
 - a report that lists all the proposals that were not approved.
 - a query that lists the number of proposals that were submitted after 1st January 2011
 - A query that lists the guide details and number of proposals submitted under that guide.
 - A report that displays all the information about a student and the proposal submitted by him/her.