

BACHELOR IN COMPUTER APPLICATIONS (BCA)**Term-End Practical Examination**

02854

December, 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 and state suitable assumptions, if any.

1. A database system is to be designed for maintaining details of programmes and courses in those programmes. A programme consists of programme name, programme code and a number of semesters. Each semester of a programme has core and optional courses. A programme in each semester have three core courses and two optional courses. The course information include course name, course code, and level. A course may be part of one or more programmes. Perform the following activities for the system as defined above.
 - (a) Design and implement the normalised relations/tables for the requirements as given above. You should include primary key, validation checks and referential constraints in each table, wherever needed. **20**
 - (b) Enter about 5-6 sets of meaningful data in each of the table. **10**
 - (c) Design and implement the following queries/report/forms for the database. **20**
 - (i) A form to enter information about courses.
 - (ii) A report that displays the structure of a programme e.g. BCA.
 - (iii) A query that finds out courses those are part of more than one programmes.
 - (iv) A form to enter information about a programme.
 - (v) A report that displays the name of all the courses in the order of their course name.