SET - 3

BACHELOR IN COMPUTER APPLICATIONS (BCA)

Term-End Practical Examination   02644

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 suitable assumptions, if any.

1.   A university maintains an inventory of Books published by it. These books may be purchased by students. The University maintains student ID, student name, student programme name. The book has an author, title number of copies available in store and the price of the book. Perform the following activities for the university.

(a)   Design and implement the normalised relations/tables. You should include the   **20** primary key (in each table), validation checks and referential integrity constraints, wherever needed, in your implementation.

(b)   Enter about 5-6 sets of meaningful data in each of the table.   **10**

(c)   Design and implement the following queries/forms/reports for the database.   **20**

    (i)   A form to enter details of books

    (ii)   A form to enter details of the student

    (iii)   A query that calculates the total price that is to be paid by a student, if he/she buys multiple titles of books in a single purchase.

    (iv)   A query that finds the name of authors and the number of books written by them.

    (v)   A report that prints the programme wise list of students.