BACHELOR IN COMPUTER APPLICATIONS (BCA)

Term-End Practical Examination

01387

June, 2010

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 has several departments (such as Computer Science, Information Technology, department of Basic Sciences etc.). Each department offer several courses. Each course has credits associated with it. The number of credits of a course may vary from 2 to 8. The students takes admission to a programme of a department. The requirements of few programmes are defined in terms of number of credits as under :

Programme Code	Department Code	Required Number of Credits from Department	Required credits from other departments	Total
BCA	CS	60	36	96
BSc (IT)	IT	56	40	96
BSc	Basic Science	48	48	96

A student can register for any course of his/her choice, but she/he has to complete the requirements of a programme to complete the degree.

Perform the following tasks for the University :

(a)   Design and implement the normalised tables/relations for the requirements given above. Your implementation should include the keys, validation checks and constraints including referential integrity constraints.   **20**

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

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