SET -1

BACHELOR IN COMPUTER APPLICATIONS (BCA)

Term-End Practical Examination

June, 2011

04648

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 publishing company prints several newspapers. Each newspaper contains a set of articles/news. Each article/news is written by one or more authors. A database system needs to be designed for this publishing company keeping track of articles/news and their authors for every newspaper. Please note the list of authors is also maintained by the company. Perform the following activities for the company :

   (a)   Design and implement the normalised relations/tables, selecting suitable **20** attributes/columns. You should include the primary key, validation checks and referential integrity constraints in your implementation.

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

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

   •   A form to enter the articles of today's publication along with the authors who have written it.

   •   A form to enter details of an author.

   •   A query that lists the details of all the authors and articles authored or co-authored by them.

   •   A report that prints the information about all the authors who have published in today's newspaper whose name is " THE INDIAN".

   •   A query that lists the names of all the articles/news published in last month in any newspaper.