

BACHELOR OF COMPUTER APPLICATIONS (BCA)
(Pre - revised)

01041

Term-End Practical Examination
December, 2013

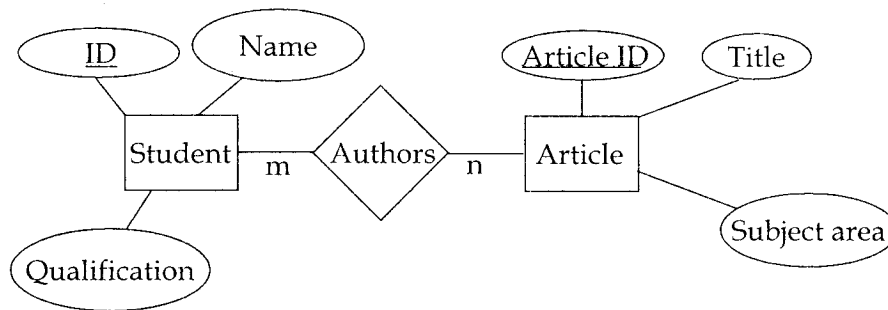
CS-67(P) : RDBMS LAB

Time allowed : 2 hours

Maximum Marks : 75

- Note :**
- (i) There is **one compulsory** question in this paper carrying **50 marks**. Rest **25 marks** are for viva-voce.
 - (ii) You may use any **RDBMS** for implementation.
 - (iii) Make and state suitable assumptions, if any.

1. A database system is to be designed to store articles written by students. The following E-R diagram depicts this :



Please note that a student may have written many articles and one articles can be written by many students as a group.

Perform the following tasks for the given E-R diagram :

- (a) Design and implement normalised relations/tables for the ERD. You should include primary key, validation checks and referential integrity constraints in your implementation. 20
- (b) Enter about 5-6 sets of meaningful data in each table. 10

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

- (i) Create two forms first for entering student information, second for entering article information.
 - (ii) Find all the articles in the subject area "DBMS".
 - (iii) List the details of all the articles written by student whose ID is "001".
 - (iv) List the student ID and number of articles written by him/her for all the students.
 - (v) Create a report/list of articles along with name of the student authors who have written them.
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