

**BACHELOR OF COMPUTER APPLICATIONS (BCA)
(Pre-Revised)**

Term-End Practical Examination 00576

June, 2016

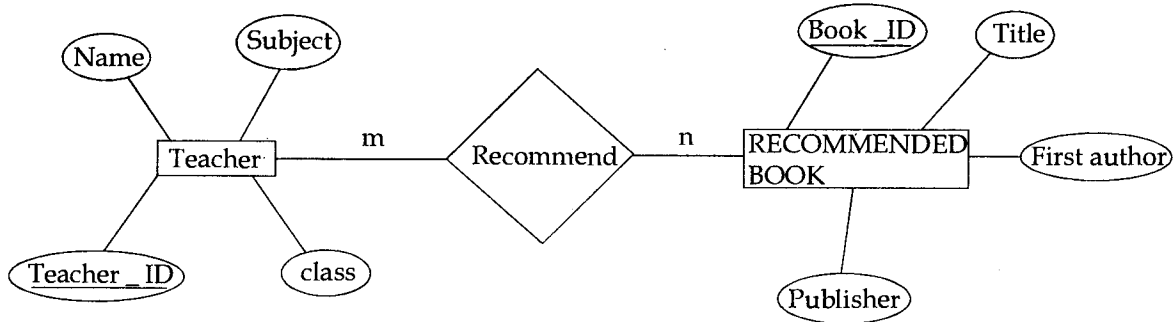
CS-67 (P) - Set - 4 : RDBMS LAB

Time : 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 school keeps track of recommendation of books by teachers. The following E-R diagram shows this :



Assume that a teacher teaches only one subject as well as only one class. A book can be recommended by many teachers and a teacher can recommend many books.

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

- (a) Design and implement normalised relations/tables. You must 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 queries/forms/reports for the database : **20**
- (i) Create two forms one for entering the teacher information and other for entering Recommended book information.
 - (ii) Count the number of books recommended by teacher whose Teacher_ID is "T001".
 - (iii) List the Teacher_ID and name of the teacher who teaches subject "DBMS".
 - (iv) Create a report on various recommended books. The details should include Title and first author of recommended books.
 - (v) List the publishers of the recommended books. No duplicate name should appear in this list.
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