SET - 3

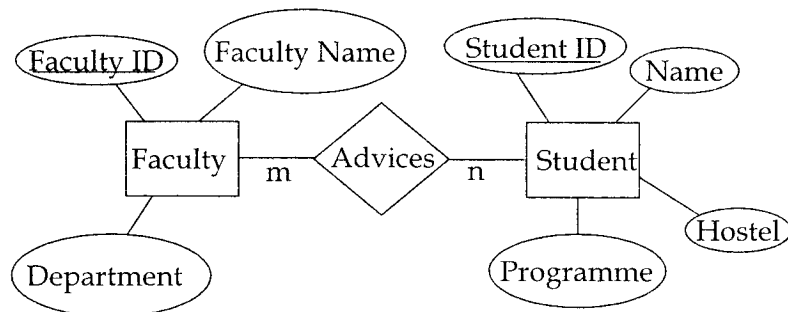# BACHELOR OF COMPUTER APPLICATIONS (BCA)

(Pre - revised)

00664

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 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 information about faculty advisors of students. The following ER diagram shows this :

Please note that a faculty can be advisor to many student and a student may have more than one advisors.

Perform the following tasks for the given ER diagram :

    (a)   Design and implement normalised relations/tables for the given E-R diagram.   **20**
           You must include primary key, validation checks and referential integrity constraints in relations/tables.

    (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   **20**
system.

    (i)   Create two forms- first for entering faculty information and second for entering student information.

    (ii)   Find the list of faculty who are in department- "COMPUTER SCIENCE".

    (iii)   List the names of the students who are advised by faculty member whose ID is "001".

    (iv)   List the ID of faculty and number of students advised by him/her for all the faculty members.

    (v)   Create a report/list of students and their advisors.

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