BACHELOR OF COMPUTER APPLICATIONS (Pre-revised)
(BCA)
Term-End Practical Examination

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June, 2018

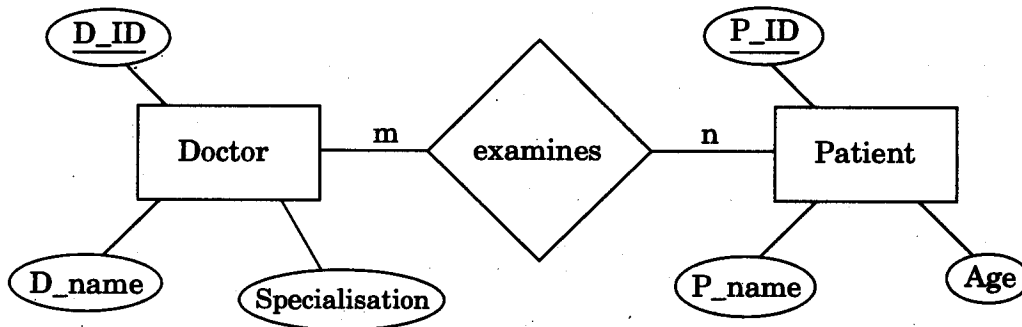## CS-67(P)/S3 : RDBMS LAB

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.   Consider the following E-R diagram :

A doctor can examine many patients, and a patient can be examined by many doctors.

Perform the following tasks for the ER diagram given above :

(a)   Design and implement normalised relations/tables for the given ERD. 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 of the tables that you have created in part (a).   *10*

(c) Design and implement the following forms/queries/reports for the database created by you : 20

    (i) Create two forms — one for entering doctor's information and other for entering patient information.

    (ii) List the names of the doctors (D_name) in alphabetical order of their names.

    (iii) Count the number of patients who are adults (age should be 18 years or above)

    (iv) List all the details of doctors whose specialisation is "Radiology".

    (v) List the details of the patients who have been examined by Doctor "XYZ" whose D_ID is "D001".

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