

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

Term-End Practical Examination

June, 2018

00449

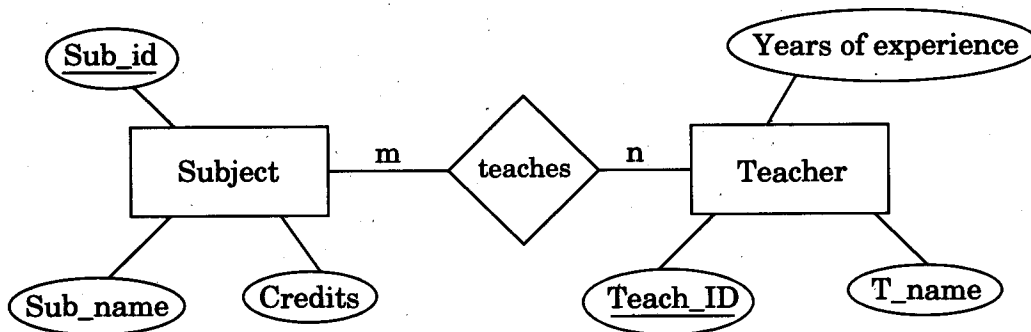
CS-67(P)/S2 : RDBMS LAB

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 teacher can teach many subjects, and a subject can be taught by many teachers.

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

- (a) Design and implement normalised relations/tables for the ERD. Include primary key, validation checks and referential integrity constraints in your implementation. 20

- (b) Enter 5 – 6 sets of meaningful data in every table that you have created in part (a). 10

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

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- (i) Create two forms — one for entering information about subjects and second for entering information of teachers.
 - (ii) List the name and credits of all the subjects. The list should be in alphabetical order of subject name (Sub_name).
 - (iii) List the details of all the teachers who have more than 2 years experience.
 - (iv) Count the number of subjects that are of 3 credits.
 - (v) List all the subject names of the subject taught by teacher whose id is "T001".
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