

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

Term-End Practical Examination

June, 2018

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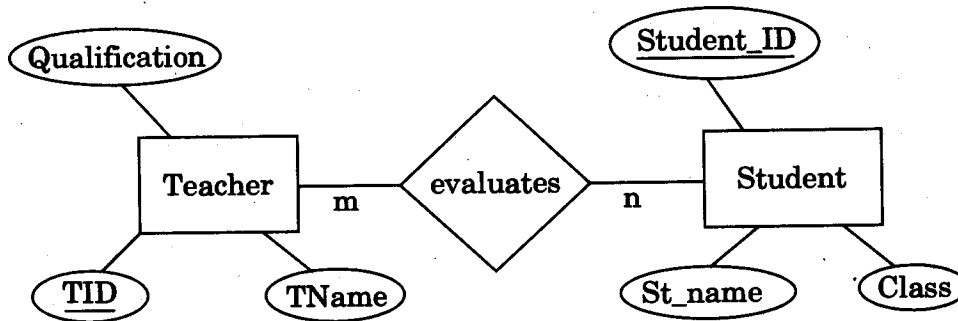
CS-67(P)/S1 : RDBMS LAB

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 :



One teacher can evaluate many students, whereas one student may be evaluated 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.
- (i) Create two forms — one for entering teacher information and other for entering student information.
 - (ii) Create a list of students, who are in Class 10, in the alphabetical order of their names.
 - (iii) List the names of all the teachers whose qualification is either Graduate or Post Graduate.
 - (iv) List the names of all the students who have been evaluated by a teacher whose TID is “001”.
 - (v) Count the number of students in Class 10.
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