

**Bachelor of Computer
Application (Pre-Revised) (BCA)
Term-End Examination
December, 2018**

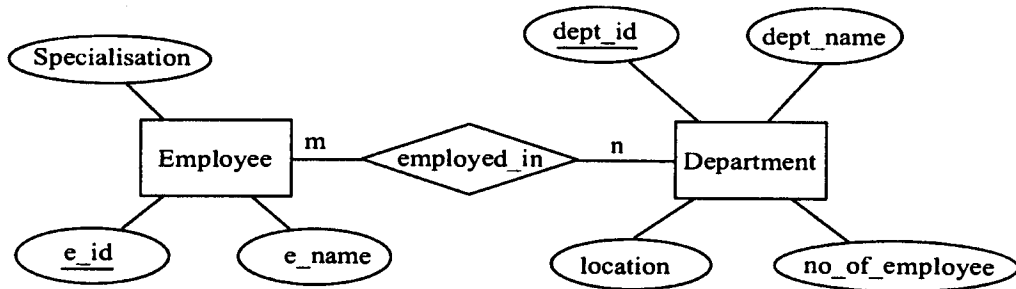
RDBMS LAB

Time : 2 Hours

Maximum Marks : 75

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- 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.
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1. Consider the following E-R diagram :



It may be noted that an employee may work for more than one departments. A department have many employees.

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

- (a) Design and implement normalised relations/tables for the given 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 : 20
 - (i) Create two forms—one for entering employee information and other for entering department information.
 - (ii) List dept_id, dept_name and location of all the departments which have more than 5 employees.
 - (iii) List the names of the employees (e_name) in alphabetical order.
 - (iv) List the names of all the employees who are working for department whose dept_id is "DO1".
 - (v) Count the total number of employees.