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CS-67(P)/S1

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

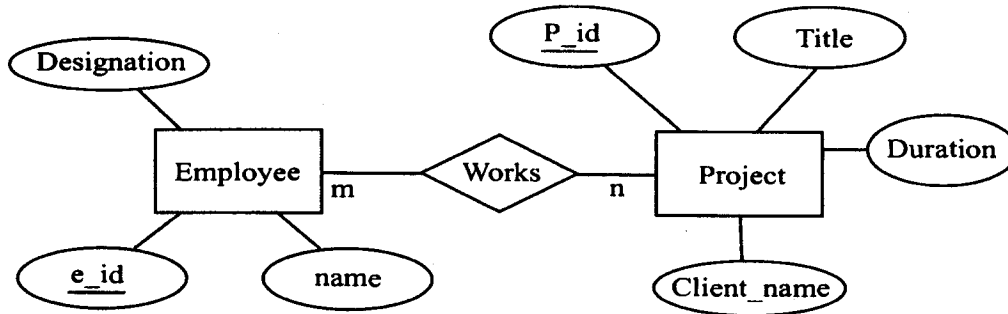
RDBMS LAB

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 :



One employee can work on many projects and on one project many employees may work.

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 : 20
 - (i) Create two forms—one for entering employee records and other for entering project records.
 - (ii) List the project titles in alphabetical order.
 - (iii) List the employee id (e_id) and name of those employees who are working on project whose project id (P_id) is "PO1".
 - (iv) Count the number of employees working on project id "PO2".
 - (v) List the names of all the employees whose designation is "System Analyst".