

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

Term-End Practical Examination

June, 2017

00117

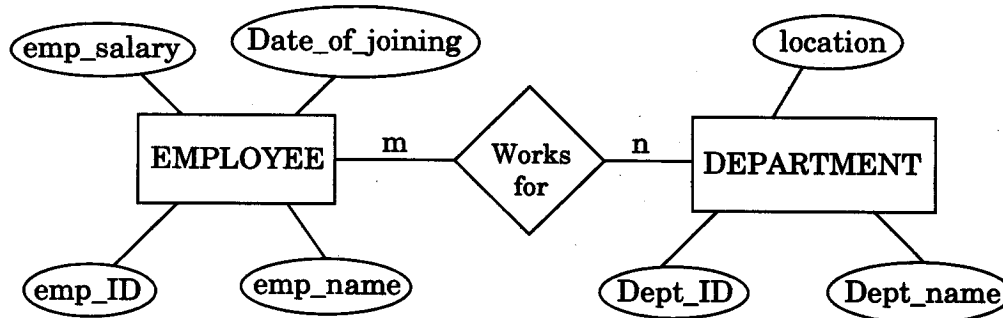
CS-67(P)/S2 : RDBMS LAB

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 Employee and Department ERD :



Please note that an employee may work for more than one department at a time. S/he will have to work for all the departments to whom s/he has been assigned. In one department many employees work. Perform the following tasks for the ER diagram given above :

- (a) Design and implement normalised relations/tables for the ER diagram. You should 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 each for entering data of employee and department respectively.
 - (ii) List the details of all the employees whose salary is more than ₹ 50,000.
 - (iii) Find the name(s) of the department(s) in which the employee whose emp_ID is "E001" works.
 - (iv) Count the number of employees working in a department whose Dept_ID is "D001".
 - (v) Create a report of all the employees in the order of their names.
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