No. of Printed Pages : 2 022583 **CS-67(P)/S4**

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

RDBMS LAB

Time : 2 Hours *Maximum Marks : 75*

Note : (i) There is ***one*** compulsory question in this paper of 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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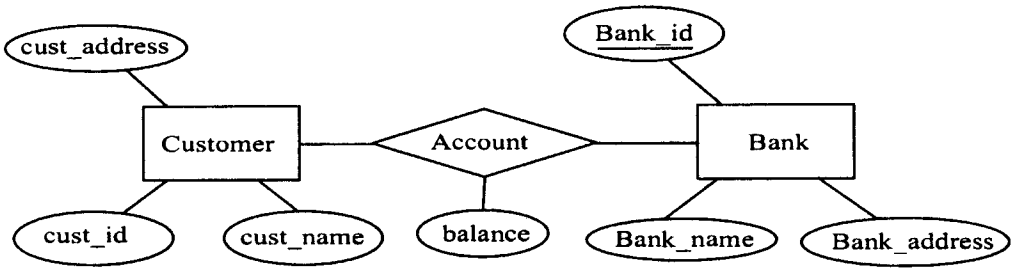
1. Consider the following E-R diagram :



One customer can have only one account in a bank, but can have accounts indifferent banks. A bank can have many customers. The customer id (cust_id) of a customer is same even though he may have an account in a different bank.

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

(a) Design 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 information of a bank and other for entering information of a customer.

(ii) List the names of all the Banks in alphabetical order.

(iii) List the name of the customer (cust_name) whose customer id (cust_id) is "CO1".

(iv) List the details of all the customers (including cust_id, cust_name), who have an account in the bank whose bank_id is "SBI" ?

(v) Count the number of Banks using SQL.