BACHELOR OF COMPUTER APPLICATIONS (Pre-revised)
(BCA)
Term-End Practical Examination
### December, 2016

CS-67(P)/S3 : 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. A new banking system has one fixed customer ID which can be used to open many accounts in different banks. An account can belong to one or more customers. The following E-R diagram shows this :
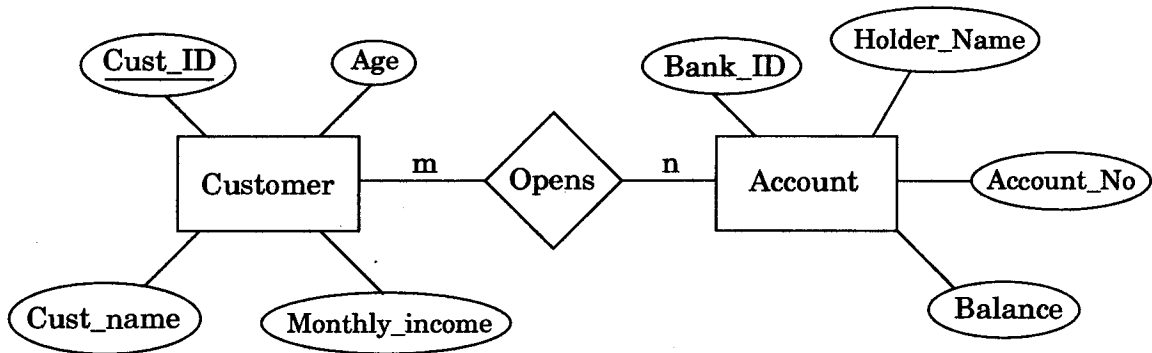
Perform the following tasks for the given E-R diagram :

(a) Design and implement normalised relations/tables for the E-R diagram. You should include primary key, validation checks and referential integrity constraints in your implementation.   *20*

(b) Enter about 5 – 6 sets of meaningful data in each table.   *10*

(c) Design and implement the following queries/forms/reports for the database designed above :   *20*

    (i)   Create two forms — one for entering customer information and the other for entering account information.

    (ii)   Find the total of all account balances which have Bank ID = "SBI".

    (iii)   List the details of all accounts that belong to Customer_ID = "C001".

    (iv)   Create a report of customer_name, age and monthly_income of all the customers in the order of customer_names.

    (v)   List all the accounts having balance less than ₹ 5000.

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