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

December, 2018
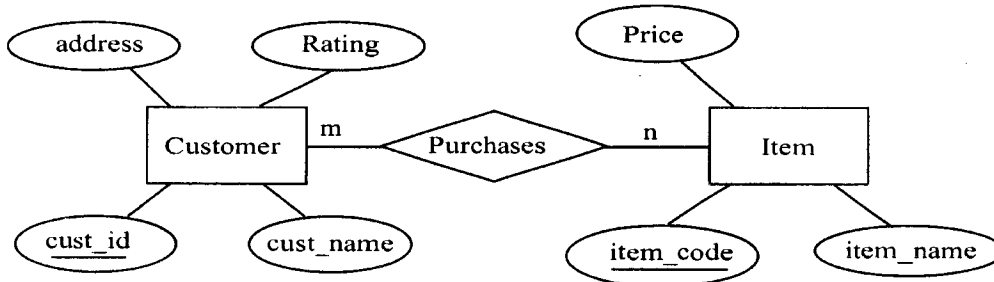
RDBMS LAB

Time : 2 Hours   *Maximum Marks : 75*

Note :   (i)   There is *one* compulsory question in this paper 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 :

A customer can purchase many items but quantity of every item purchased is only 1. An item may be purchased by many customers. For example, item "Pen" may be purchased by many different customers. Item_code for all the "Pens" will be same.

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

(a) Design and implement normalised relations/tables for the given ERD. You must include primary key, validation checks and integrity constraints in your implementation. 20

(b) Enter about 5-6 sets of meaningful data in each of the tables 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 form—one for entering customers information and other for entering item information.

    (ii) List the names of all the items in the order of decreasing price.

    (iii) Count the number of customers who have a rating of 1.

    (iv) List all the customer name who have purchased item whose item_code is "IO1".

    (v) List details of only those items whose price is less than ₹ 200.