

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

Term-End Practical Examination

June, 2015

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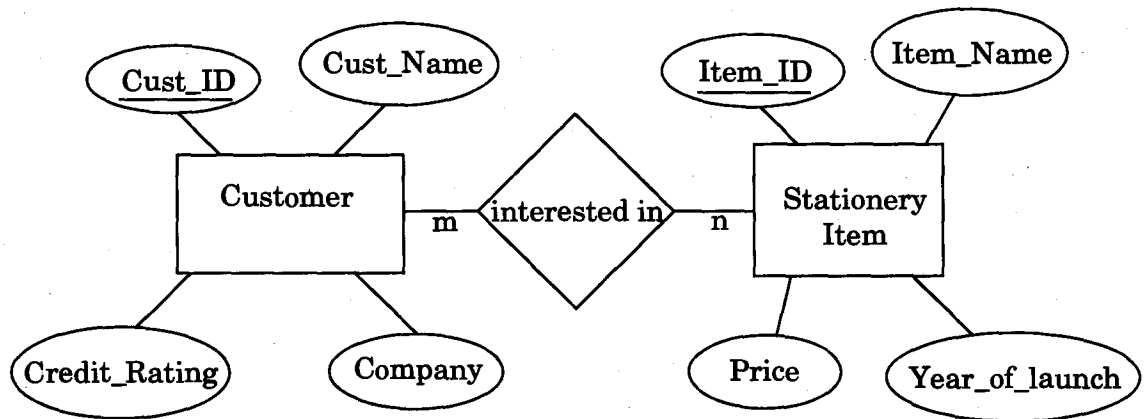
CS-67(P)/S3 : RDBMS LAB

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 database system is to be designed to keep track of customer's interest in various items of an organisation selling stationery items. The following E-R diagram shows this information :



A customer may be interested in many items of the organisation; and one item may be of interest to many customers.

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

- (a) Design and implement normalised relations/tables for the given E-R diagram. You must include primary key, validation checks and referential integrity constraints in the relations/tables. 20
- (b) Enter about 5 – 6 sets of meaningful data in each table. 10
- (c) Design and implement the following queries/forms/reports : 20
 - (i) Create two forms — one for entering customer information and second for entering stationery item information.
 - (ii) Find the stationery item having maximum price.
 - (iii) List the customers whose credit-rating is A and A+.
 - (iv) Count the number of stationery items in which the customer whose Cust_ID is “C001” is interested.
 - (v) List the customers in the order of credit-rating.