

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

00763

Term-End Practical Examination

June, 2017

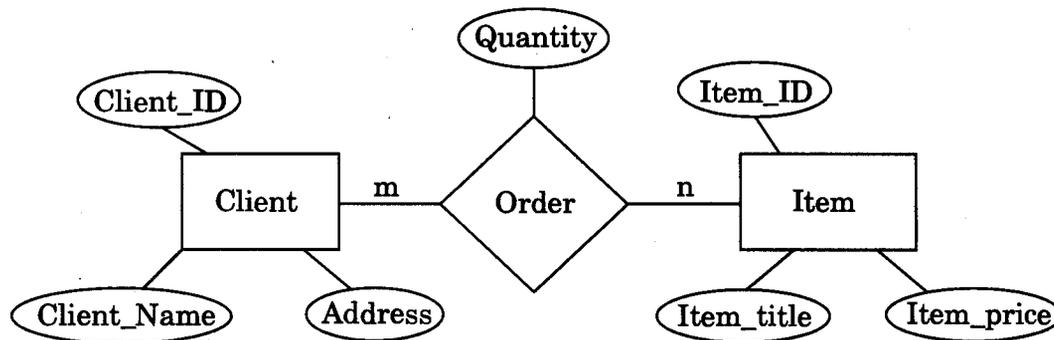
CS-67(P)/S1 : RDBMS LAB

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 company accepts orders from its clients. An order is made for one or more items. The following ERD describes it :



A client may place order of many items, and one item may be ordered by many clients.

Perform the following tasks for the ER diagram given above :

- (a) Design and implement normalised relations/tables. You must include primary key, validation checks and referential integrity constraints in the relations/tables. 20
- (b) Enter 5 – 6 sets of meaningful data in every table created by you in part (a). 10

(c) Design and implement the following queries/reports/forms for the database created by you :

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- (i) Create two forms — one for entering client information and the other for entering item information.
 - (ii) List all the item details for those items whose price is more than ₹ 500.
 - (iii) Find the item_title of all those items which have been ordered by the client whose Client_ID is “C001”.
 - (iv) Calculate the amount to be paid by a client “C001” for the item “I001” if s/he has ordered it. You must multiply the quantity by the item_price for this.
 - (v) List the names of the clients in the alphabetical order of their names.
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