

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

Term-End Practical Examination

December, 2017

00483

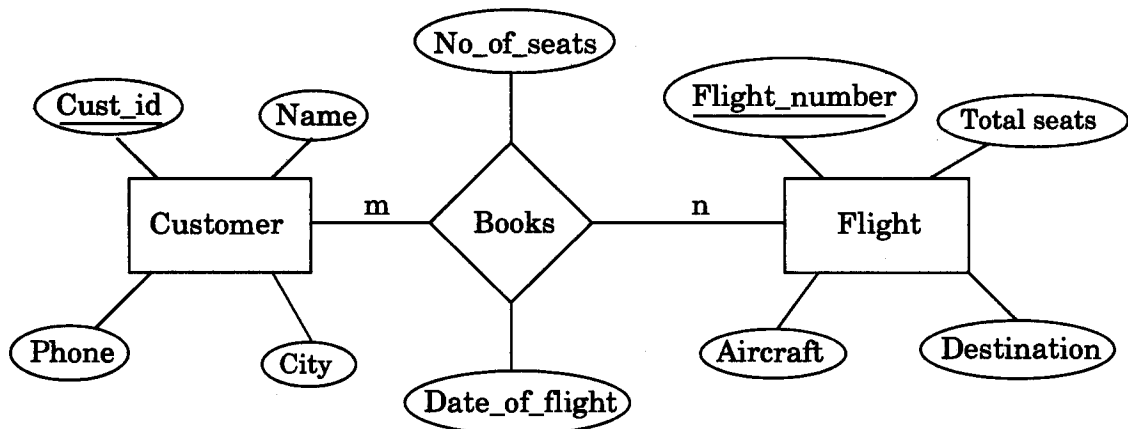
CS-67(P)/S3 : RDBMS LAB

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. Consider the following ERD for flight booking by an agency :



A customer can book many times on a flight. Perform the following tasks for the ER diagram given above :

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

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- (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 forms — one for entering information of customers and the other for entering flight information.
 - (ii) List all the flights for destination “DELHI” in the order of decreasing number of seats.
 - (iii) List the flight_number, cust_id, name of customer, date_of_flight for all the bookings made by the customer whose cust_id is “C001”.
 - (iv) Count the number of customers of “DELHI” city.
 - (v) List the names of customers who have not made any booking.
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