

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

01214

**Term-End Practical Examination**

**December, 2014**

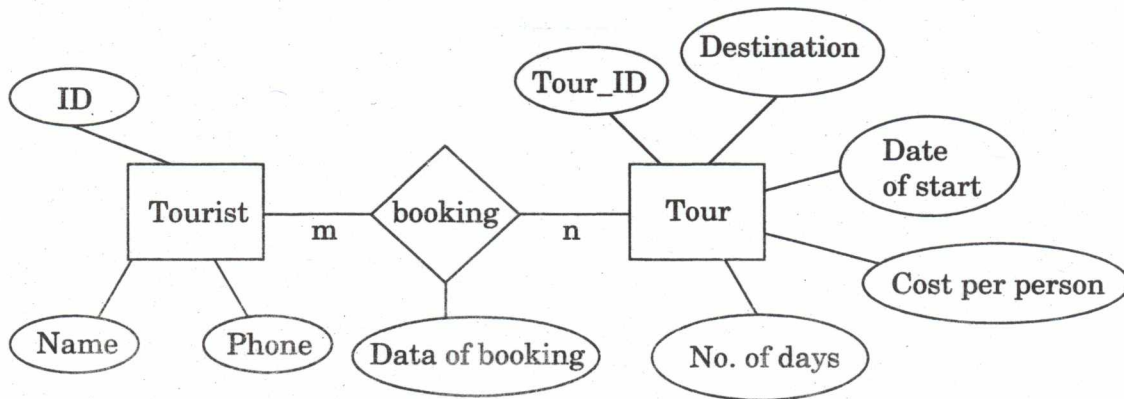
**CS-67(P)/S1 : RDBMS LAB**

*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 database system is to be designed by a travel agency to keep track of various tours to be taken by its clients. The following E-R diagram depicts it :



Please note that a tourist is assumed to be an individual person. S/he can book only single booking.

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/reports/forms for the database so created : 20
  - (i) Create two forms – one for entering new tour and another for entering new tourist.
  - (ii) Find the list of those tours whose cost per person is more than INR 500.
  - (iii) List the ID, name, phone, Tour\_ID and date of booking for the tourist whose ID is 001.
  - (iv) Count the number of tours whose destination is “DELHI”.
  - (v) List the phone numbers of all the tourists who have taken a tour whose Tour\_ID is “T001”.