

BACHELOR IN COMPUTER APPLICATIONS (BCA)**Term-End Practical Examination****00531****June, 2011****CS-67P:RDBMS LAB***Time allowed : 2 hours**Maximum Marks : 75*

Note : *There is **one compulsory** question in this paper carrying **50** marks. Rest 25 marks are for viva-voce. You may use any **RDBMS** for implementation. Make suitable assumptions, if any.*

1. A mobile store sells different models of mobile phones of different brands. It maintains the list of its customer's including their ID, name, address, and mobile number. It also maintains the inventory of mobile phones available with them. This information include phone model code, brand-ID, year of making, price and available quantity of that phone. The store also records all the sales of the mobile phones to customers. Perform the following activities for the mobile store.
- (a) Design and implement the normalised relations/tables for the requirements given above. You should include primary key in each table, validation checks and constraints including referential integrity constraints in your implementation. **20**
- (b) Enter about 5-6 sets of meaningful data in each of the relation/table. **10**
- (c) Design and implement the following queries/forms/reports for the database- **20**
- A form to enter and update stock of mobiles (assume that a new stock have been received of the existing models only.)
 - A report that shows all the available models in the store.
 - A query that finds the most selling model.
 - A query that finds the customer who has bought more than one mobiles from the store.
 - A report on brand wise sale of mobile phones.