



BCA P6

**III Semester B.C.A. Examination, August 2011
DBMS LAB**

Time : 3 Hours

Max. Marks : 75

Answer both two questions.

(1×35=35)

1. Consider the Insurance database given below. The primary keys are underlined and the data types are specified. PERSON (DRIVER – ID # : string, name : string, address : string) CAR (Regno : string, model : string, year : int) ACCIDENT (report-number : int, date : date, location : string) OWNS (driver – id# : string, Regno: string) PARTICIPATED (driver – id # : string, Regno: string, report – number : int, damage amount : int)
 - i) Create the above tables by properly specifying the primary keys and the foreign keys.
 - ii) Enter atleast five tuples for each relation.
 - iii) Demonstrate how you
 - a) Update the damage amount for the car with a specific Regno in the accident with report number 12 to 25000.
 - b) Add a new accident to the database.
 - iv) Find the total number of people who owned cars that were involved in accidents in 2002.
 - v) Find the number of accidents in which cars belonging to a specific model were involved.
 - vi) Generation of suitable reports.
 - vii) Create suitable front end for querying and displaying the results.

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2. Consider the following relations for an order processing database application in a company. **(1×40=40)**
- a) Create the above tables by properly specifying the primary keys and the foreign keys.
 - b) Enter atleast five tuples for each relation.
 - c) Product a listing : CUSTNAME, tfoorders, AVG_ORDER_AMT, where the middle column is the total average order amount for that customer.
 - d) List the order # for orders that were shipped from *all* the warehouses that the company has in a specific city.
 - e) Demonstrate how the delete item# 10 from the ITEM table and make that field *null* in the ORDERJTEM table.
 - f) Generation of suitable reports.
 - g) Create suitable front end for querying and displaying the results.

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