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[3875]-311

M.B.A.

NOV 2010

COMPUTER SPECIALISATION

304 C : Relational Database Management System

(2008 Pattern)

Time : 3 Hours]

[Max. Marks : 70

Instructions to the candidates:

- 1) Question No. 1 is compulsory.
- 2) Solve any five from Q. No. 2 to Q. No. 7.
- 3) Figures to the right indicate full marks.

Q1) a) Study the following purchase order details and normalize the data upto 3NF. [15]

Purchase Order		P.O. No.....		
		P.O. Date		
Supplier Name and Address		Supplier quotation no.		
		Supplier quotation date.		
Sr. No.	Item No. Descriptions	Qty	Rate	Amount
Terms & conditions :				
Prepared by :		Approved by :		

b) Discuss advantages of normalization. [5]

Q2) Write short note on (any two) : [10]

- a) Data base administrator.
- b) Views and indexes in SQL.
- c) ACID properties.



P.T.O.

Q3) What is deadlock? How deadlock is detected and prevented? [10]

Q4) Explain E-F. Codd's rules for RDBMS. [10]

Q5) Explain different types of joins with the help of SQL queries. [10]

Q6) Compare Network, Hierarchical and relational data model. [10]

Q7) Consider the following table structure and write SQL statements for the following (any five) : [10]

WAREHOUSE (wh-id, Location, no-of, phone)

CITIES (city, city-add, state)

STORED (wh-id, item-no, qty-held)

ITEMS (item-no, description, weight)

ORDERS (ord-no, ord-date, cust-name)

ITEMS-ORDERED (item-no, ord-no, qty-ordered)

CUSTOMERS (cust-name, first-ord-date, lived-in-city)

- i) The warehouse located in Pune.
- ii) The list of items whose weight is less than 10.
- iii) Dates of all orders made by Mr.Shah.
- iv) The ware house which hold all the items in order no.9.
- v) The total quantity held by each warehouse.
- vi) The location of warehouse holding electronic item.

