



RAN-0847

Second Year B. Sc. Semester - 3 Examination

March / April - 2019

Computer Science: Paper 303 (NEW)

(Relational Database Management System -1)

Time: 2 Hours]

[Total Marks: 50

સૂચના : / Instructions

(1)

નીચે દર્શાવેલ નિશાનીવાળી વિગતો ઉત્તરવહી પર અવશ્ય લખવી.
Fill up strictly the details of signs on your answer book

Name of the Examination:

☛ **Second Year B. Sc. Semester - 3**

Name of the Subject :

☛ **Computer Science:**

Subject Code No.:

Seat No.:

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Student's Signature

- (2) All questions carry equal marks.
- (3) Question 1 is compulsory.
- (4) Figures in the right side indicate full marks.

Q.1 Answer in brief.

12

1. Define importance of Primary Key.
2. Differentiate between char and varchar2 data type.
3. Give example to display data of all rows and all columns of table.
4. Define strong entity.
5. Define term hierarchical model.
6. Define Base table.

Q.2 a. Explain DDL.

07

b. Discuss role of database administrator.

07

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[1]

[P.T.O.]

OR

- Q.2** a. Draw and explain E-R diagram of library management system. **07**
b. Explain different terms related to E-R diagram. **07**
- Q.3** a. Write note on I/O constraints. **07**
b. Write note on UPDATE and DELETE command. **07**

OR

- Q.3** a. Discuss Network model. **07**
b. What do you mean by Join? Discuss various types of joins with example. **07**
- Q.4** **Attempt any five.** **10**

Consider the following tables and answer given questions.

Client_master(cno,name,add,city,pincode,state,baldue)

Product_master(pno,descry,profitpercentage,unitmeasure
qtyonhand,reordlevel,sellprice,costprice)

Salesman_master(sno,sname,add,city,pincode,state,salamt,tgttoget,ytdsales,remarks)

Sales_order(orderno,clientno,orderdate,delyaddr,
salesmanno,delytype,billyn,delydate,orderstatus)

Sales_order_details(orderno,productno,qtyordered,qtydisp,productrate)

- Retrieve the entire contents of the client_master table.
- Change the city of clientno 'c0005' to 'Bangalore'.
- Delete all salesmen who lived in Pune.
- Truncate table client_master.
- Add a column 'Mobile' of data type 'number' size ='10' to the client_master table.
- List the names of all clients having 'a' as the second letter in their names.
- Calculate new selling price as, original selling price*0.15.
- List the order number and day on which clients placed their order.