## TE COMPAIX (Red 1815/12

20:1st half.12-SHILPA(b) Con. 3755-12.

(b) Joins in SQL

(c) Measures of query cost.

GN-6972

[Total Marks: 100

l.B.	(	<ol> <li>Question No. 1 is compulsory.</li> <li>Attempt any four out of the remaining six questions.</li> <li>Assume any suitable data wherever required.</li> </ol>	
1.	info styl mac pric info For amo	need to design a database for an art gallery. The database schema must keep ormation about artists, their names, (which are unique), birth places, age and le of art and photograph. For each piece of artwork, the artist, the year it was de, its unique tittle, its type of art (e.g. painting, sculpture, photograph), and its ce, along with picture (thumbnail) must be stored. The database also stores, ormation about customers.  The each customer, database stores the person's unique name, address, and total ount of money spent in the gallery and the artist and type of art the customer ds to like (can be a text).	
		(a) Draw an EER dia for the system	6
		(b) Map the EER to Relations (c) Take two typical queries and write them in SQL.	8
2.	(a)	Explain different architectures for parallel database.	10
	(b)	State comparison of RDBMS, OODBMS, ORDBMS.	10
3.		Explain data fragmentation, replication and allocation technique for distributed database design.	10
	(b)	Give an overview of 3-Tier client server architecture.	10
4.	(b)	Control of the Contro	10 10
5.			10
6.		process.	10
	(b) I	Explain concurrency control in distributed database.	10
7.		te a short notes on (any two):-	20

(3 Hours)