

- Q-1) What is data Independence? 1 Marks
 Q-2) Find the below tables and perform given Queries. 2 Marks

Supplier

Sup_id	Sup_name	Product_id	Year
101	Anil	P01	2008
102	Mahesh	P02	2009
101	Smith	P04	2010
103	Bill	P07	2009

Product

Product_id	Product_Name	Price
P01	Milk	100
P02	Bread	150
P03	Noodles	130
P04	Pasta	200
P06	Apple	250
P07	Orange	50

- Q-1) Display the name of supplier and id who sold the product id P04.
 Q-2) Write relational algebra query to display the name of supplier with the product they sold in year 2009.
 Q-3) Find the below tables and perform given Queries. 2 Marks.

Employee

Number	Surname	Age
7274	Robinson	37
7432	O'Malley	39
9824	Darkes	38

Managers

Number	Surname	Age
9297	O'Malley	56
7432	O'Malley	39
9824	Darkes	38

- Q-1) Display the surname of person who are employee of the company but not Manager.
 Q-2) Select all number from Employee and managers table whose surname O'Malley or Age 37.
 Q-4) List out all the disadvantage of file processing system. Explain any Two disadvantage of file processing system in brief. 3 Marks
 Q-5) Explain Following Terms: 3 Marks
 1. Domain
 2. Cardinality
 3. Relational Schema
 Q-6) Explain Three schema architecture in brief. 4 Marks.
 Q-7) Explain transaction property with example. 5 Marks
 Q-8) Explain how to check view serializability with example. 5 Marks