

Solved Question Paper
December 2014

5.d) Compare and contrast the RDBMS with object oriented database.

Relational Database	Object oriented database
Database that stores data in tables that consist of rows and columns. Each row has a primary key and each column has a unique name.	Database that stores data in objects. An object is an item that contains data, as well as the actions that read or process the data.
relational database rely on relational model.	Object database rely on OOP
relational data base handle a single data.	Object database can handle different types of data.
It is based on mathematical principles called relational algebra.	It is based on objects.
Associations are not directly represented.	Associations are directly represented.
Faster for complex queries	Slower than relational databases for relational databases.
Supports multiple writers and readers.	Does not support multiple writers and readers.
RDBMS store only data.	OODBMS store data and methods.