



- Q-2 Do as directed. (ATTEMPT ANY SEVEN) [14]
1. Major difference between Number and Char data type.
  2. What do you mean by system table?
  3. Differentiate simple and composite attributes with an example.
  4. Full form of DBA.
  5. Write syntax of INSERT statement.
  6. Explain any two inbuilt numeric function in oracle.
  7. Briefly explain any two E-R diagram symbols.
  8. Explain any two string functions with an example.
  9. List DDL statements.
- Q-3 A Explain any two data models. [6]  
B List users associated with database systems and their roles. [6]
- OR**
- B Explain data independence and data sharing in detail. [6]
- Q-4 A In context of ER Diagram, List types of attributes and explain with an example. [6]  
B Describe Dr. Edgar F. Codd's Rules in brief. [6]
- OR**
- B Draw an ER diagram & show cardinality for following information. [6]  
In a university, a Student enrolls in Course. A student must be assigned to only one course. Each course have multiple subjects. Each subject is taught by a single Professor. A Professor can taught multiple subjects.
- Q-5 A 1. Give list of DML statements. [6]  
2. Differentiate between drop and delete command  
3. Full form of SQL.  
4. What is the importance of NOT NULL constraints?  
5. Define : Primary Key  
6. List basic datatypes in oracle.
- B Discuss any three constraints with an suitable example. [6]
- OR**
- B Explain syntax of CREATE table. [6]
- Q-6 A Write a short note on Arithmetic operators & logical operators. [6]  
B List types of joins. Explain any two with an example. [6]
- OR**
- B Explain MAX, COUNT, LENGTH, SUM, AVG & LOWER functions with an example. [6]