DBMS Practise Questions

a) List five significant differences between traditional file processing system and DBMS.

b) Explain the components of DBMS with diagram.

c) What is ER Diagram. Draw the ER diagram for University Database.

d) What is Data Independence? Mention its types. Explain Physical Data Independence.

e) What are the applications of DBMS and explain them.

f) Explain Data Abstraction with two levels.

g) Explain the characteristics of SQL.

h) What is DDL? List DDL commands. Explain two with example.

i) Explain SQL SELECT command using where clause and having clause with query example.

j) Explain SQL data types with examples.

k) What is DML? List DML commands. Explain two with example.

l) List aggregate functions along with description and examples.

m)What is ER diagram? Discuss all the notations of ER diagram with its representation.

n)Explain the characteristics of SQL.

o)Explain the components of DBMS with diagram.

p)Explain SQL Datatypes with example.

q)Explain ACID properties in transaction management

r)Explain transaction states with diagram.

s)What is concurrent execution? Mention its advantages.

t)Explain two phase locking protocol.

u)Explain centralized database systems.

v)Expalin Query Processing System with diagram.

w)Explain the two modes to lock the data items.

x) Explain deadlock prevention strategies.

y)Explain the two modes to lock the data items.

z)Discuss Shadow paging with diagram.

27)Explain the steps involved in database connectivity.

28)Write a short note on: Centralised database systems, Distributed systems with diagram.

29)Write a short note on: Decision Support System, Data mining.

30)Brief about Data warehouse with example.

31)Describe: Hadoop, XML

32)Write a note on Big data. Explain about 3 V's in Big data.