# DBMS INSEM IMPORTANT

a) Draw architecture of DBMS system and explain function of following

   components:

   i) Storage manager ii) Query Processor

b) Construct an ER Diagram for

   i) Banking System  ii) Company iii) Student system

c) What is view and how to create it? Can you update view? If yes, how? If not,

   why not?

d) Defined stored procedure. Explain the creating and calling stored procedure

   with example.

e) Consider following schema.

   **i) Student_fee_details (rollno, name, fee_deposited, date)**

   Write a trigger to preserve old values of student fee details before

   updating in the table

   **ii) Hotels(hotel_no,hotel_name.city) Rooms(Room_no,hotel_no,price,type)**

   Write a PL/SQL procedure to list the price & type of all rooms at the hotel 'TAJ

   **iii) Emp(Emp_no, Emp_name, Dept_no) Dept(Dept_no, Dept_name)**

   **Address(Dept_name, Dept_location)**

   Write SQL queries for the following

   i)      Display the location of department where employee 'Ram' is working.

ii) Create a view to store total no of employees working in each department in ascending order.

iii) Find the name of the department in which no employee is working

f) What is a trigger? How to create it? Discuss various types of triggers

g) What is the importance of creating constraints on the table? Explain with example any 4 constraints that can be specified when a database table is created

h) What is synonym? How to create and use synonym in SQL