DBMS IMPORTANCE

1) discuss referential integrity constraints (2 times)
2) explain total participation and partial participation with eg (5 times)
3) explain the following relational algebra operations with eg { any 4} (all time fav of paper setter)
    a) set intersection
    b) div operator / rename
    c) generalised projection
    d) natural join
    e) project
    f) union
    g) select
    h) cartesian product
4) draw an er diagram and convert it into relational model (7 times) { hospital management - 3 times ; banking enterprise 1 time ; company - 2 time; library management system - 1 time}
5) what is normalisation ? explain 1NF 2NF 3NF with eg (all time fav of paper setter)
6) what is attribute ? discuss various types of attributes with eg . (5 times)
7) discuss conflict and view serializability with eg (3 times)
8) descibe architecture of dbms (all time fav of paper setter)
9) explain the following terms with suitable eg: (4 times)
    a) primary key
    b) candidate key
    c) super key
    d) foreign key
10) what is a transaction ? discuss ACID properties (all time fav of paper setter)
11) for the given database write sql queries : (all time fav of paper setter)
12) short note : Generalisation and aggregation , shadow page recovery , div operator (5 times)
13) list 4 significant diff between file processing system and dbms (5 times)
14) explain types of integrity constraints (4 times)
15) what is a deadlock , how it is detected , discuss diff types of deadlock prevention scheme (4 times)
16) short note on aggregate function in sql (5 times)
17) short note on data independence (3 times)
18) explain security and authoriazation in dbms (4 times)
19) explain triggers with eg