Model question paper

1. Define database schema. [1,3]
  
  
2. List the process needed for the mapping of regular entities from ER to relational model. [2,8]
  
  
3. What do you mean by database audit? [5,5]
  
  
4. Explain with an example how to use IN clause in SQL. [3,3]
  
  
5. Each tuple in a relation should represent one entity or relationship instance. Comment on it. [4,1]
  
  
6. What are relational model constraints? [2,2]
  
  
7. Write short notes on primary index. [4,9]
  
  
8. Differentiate between UNION and INTERSECT clause in SQL. [3,3]
  
  
9. Explain entity integrity. [2,3]
  
  
10. Explain the modules responsible for storage of data and processing of transactions in DBMS. [1,5]
  
  
11. Explain the various states of transaction execution. [5,1]
  
  
12. Explain SELECT and PROJECT operations in relational algebra. [2,4]
  
  
13. Explain the ER model in detail. [1,8]
  
  
14. What is SQL? Explain aggregate function and join operation in SQL. [3,7]
  
  
15. Differentiate between clustering index and secondary index. [4,9]
  
  
16. What is relation algebra? Explain generalized projections, aggregate functions and joins in relation algebra. [2,7]
  
  
17. Describe the various operations performed in transaction processing . [5,1]