Aryan College

DBMS

Unit I:

1. What are the prime responsibility of DBA [2017]
2. What do you understand by instances and schemas [2017]
3. What is database? [2016]
4. What is DBMS [2016]
5. What is Client Server Model? [2016]
6. What do you understand by physical v/s logical data independence? [2016]
7. Discuss the advantages of database approach? [2016]
8. Discuss the responsibility of a database administrator(DBA) [2016]
9. Discuss the architecture of a DBMS.What are the key concerns in distributed database? [2016]
10. What are data and information?How they are related in a database? [2015]
11. What are data independencies? [2015]
12. What are five main functions of a database administrator? [2015]
13. What is record? [2014]
14. What is a data dictionary? [2014]
15. What are the advantages of DBMS approach? [2014]
16. Discuss the various views of data. [2014]
17. What is the role and responsibilities of a DBA?(Database Administrator) [2014]
18. Discuss the architecture of DBMS.Hence elaborate logical and physical data independence. [2014]
19. Write short notes on the following: [2014]
    a. MetaData
20. What do you understand by data independence? [2013]
21. Explain domain [2013]
22. Explain Schema. [2013]
23. What is DBMS?Write difference between a file processing system and a DBMS [2017]

1.

Unit II:

1. What do you understand by data model? Explain Relational model with example? [2017]
2. Explain distributed database? [2017]
3. What is Weak entity set? [2017]
4. What is derived attribute [2017]
5. What is logical data model [2016]
6. What is physical data model [2016]
7. What is an entity set? [2016]
8. What is ER model? [2016]
9. What is Relational model? [2016]
10. What do you understand by an ER model? Discuss the key concepts of ER model and illustrate with an example of a student database? [2016]
11. Compare and contrast the hierarchical, network and relational model? [2016]
12. Write short notes on any 2 of the following: [2016]
    a. Primary key
    b. Foreign key
    c. Candidate Key
13. What is Entity and Attribute? [2015]
14. What are keys? [2015]

15. Why we use data models? [2015]
16. What is DBMS? Explain Different types of data models. [2015]
17. What is primary key? [2014]
18. Draw an ER diagram for your college database. [2014]
19. What is the purpose of integrity constraints? What is the role of primary key constraint, unique constraint and foreign key constraint? Illustrate using a database example? [2014]
20. Present an overview of hierarchical, network and relational model. What are the advantages of using relational model? [2014]

21. Describe data models. [2013]
22. Draw the E-R model for an office [2013]
23. What is derived attribute? [2013]

Unit III:

1. Discuss the need of normalization? Explain BCNF in detail. [2017]
2. Define Normalization [2016]
3. What are the general transformation rules for relational algebra? [2015]
4. Write short notes on: [2015]
    a. Normalization
5. What do you understand by data redundancy? [2014]
6. Define Normalization. [2014]
7. Write short notes of following: [2014]
    a. Functional Dependency
    b. DKNF

Unit IV

1. Write short notes on the following: [2017]
    a. Serializability
    b. Concurrency
    c. Recovery
2. Explain Referential Integrity [2017]
3. Explain Project Operation. [2017]
4. Explain SELECT command [2017]
5. What is DDL? [2016]
6. What is DML? [2016]
7. What is deadlock? [2016]
8. Define database integrity and integrity constraint [2016]
9. Write short notes on: [2016]
    a. Database security
10. Define Data abstraction [2015]
11. What is Data Security? [2015]
12. Define recovery. [2015]
13. Explain Database Integrity. [2015]
14. What is mapping cardinalities? [2015]
15. Define the concept of Aggregation. Give two examples where this concept is useful. [2015]
16. Explain Query Processing. [2015]
17. What are database languages? [2015]
18. Write short notes on: [2015]

a. Concurrency
b. DML

19. What is sorting and indexing?Also explain the difference between both of them. [2015]
20. How many field types are provided by foxpro programming language ? Explain all of them with examples. [2015]
21. Define data abstraction. [2014]
22. What is data integrity. [2014]
23. Write short notes on any four(4) of following: [2014]
    a. Data Definition Language
    b. Serializbility
24. What is the role of DML? [2014]
25. Write short notes of following: [2014]
    c. Data Definition Language
    d. Serializbility
26. Explain Integrity Constraints. [2013]
27. What do you understand by functional dependency? [2013]
28. What is Heap file organization? [2013]

Unit V:

2. Explain @say…..get and read with example [2017]
3. Explain FV() and PV() [2017]
4. What is a memory variable [2017]
5. Write Syntax and example of Browse command. [2017]
6. Write the difference between PACK and ZAP command [2017]
7. Explain Set clock command [2017]
8. Difference between Input and accept command [2017]
9. What is Indexing?Write difference between sorting and indexing. [2017]
10. Explain Procedure and user defined function with example. [2017]
11. Write short notes on: [2016]
    a. Sorting of data in FoxPro
12. Write short notes on: [2015]
    a. Set Command
13. What is Reprot?How can you create a report? Explain with example. [2015]
14. What do you mean by function? Explain its types with example. [2015]
15. How do you add a record in foxpro? [2014]
16. Discuss the usage of SEEK command in foxpro [2014]
17. What is Sorting. [2014]
18. How do you create a database structure with foxpro [2014]
19. Write short notes of following: [2014]
    a. Compound Index file
20. Write the syntax of REINDEX command in foxpro [2013]
21. Explain ZAP command in foxpro [2013]
22. What we use GATHER command in foxpro? [2013]
23. Explain following foxpro command with the help of example. [2013]
    a. Skip
    b. Get
    c. Scan
    d. Copy Structure
24. Explain Following set commands [2013]
    a. Set console on/off
    b. Set carry
    c. Set delimiter to

d. Set alternate to

25. Consider the following table library.dbf [2013]

Bookno,bookname,authorename,price

Write a menu driven procedure in foxpro to perform following operations:

1) Create a procedure to add records in table.
2) Create a procedure to search the bookname
3) Create a procedure to display the books of price >500

26. Explain error handling in foxpro. [2013]
27. Explain the difference between sorting and indexing [2013]