Database Management System
Question bank for ATKT 19-20

1   Data about data is called _____   1module
      a. Metadata
      b. Databank
      c. Data directory
      d. Tuples
2   DBA stands for _____   1
      a. Database Admin
      b. Database Administrator
      c. Database Access
      d. Databank Administrator
3   Which of the following is property of Entity?   2
      a. Tuple
      b. Record
      c. Attribute
      d. Table
4   Which one is the lowest Data Model?   2
      a. Physical Model
      b. Logical Model
      c. Conceptual Model
      d. External Model
5   Data is called: 1
      a. Information
      b. Knowledge
      c. Raw facts and Figures
      d. Metadata
6   A association between Students and Subjects is: 2
      a. 1:1 relationship
      b. 1:N relationship
      c. N:1 relationship
      d. M:N relationship
7   The Number of attributes in relation is called: 3
      a. Cardinality
      b. Degree
      c. Records
      d. Tuples
8   A weak Entity set in ER diagram is one which ____   2
      a. Has Primary key
      b. Does not have primary key
      c. Must be a part of one to Many relationship
      d. Does not depend on other table
9   Which commands used to change schema of your table?   3
      a. DDL

    b. DML
    c. DCL
    d. TCL

10   Which of the following is aggregate function in SQL?   3
    a. Like
    b. In
    c. Max
    d. between

11   Which of the following is not valid unary operation in relational algebra?   3
    a. Select
    b. Join
    c. Project
    d. Rename

12   Which clause form the following corresponds to the projection operation of   3
the relational algebra?
    a. Select
    b. From
    c. Where
    d. Group by

13   A function that has no partial dependency is in ____ .   4
    a. 2nf
    b. 3nf
    c. Bcnf
    d. 4nf

14   A BCNF is :   4
    a. Lossless join and dependency preserving
    b. Lossless join but not dependency preserving
    c. Not Lossless join and dependency preserving
    d. Not Lossless join and not dependency preserving

15   A normal form in which every determinant is a key: 4
    a. 2nf
    b. 3nf
    c. Bcnf
    d. 4nf

16   Let R= (A, B, C, D, E, F) be a relation scheme with the following   4
dependencies: C->F, E->A, EC->D, A->B. Which of the following is a key
for R?
    a. CD
    b. EC
    c. AE
    d. AC

17   Consider the relation scheme R=(E,F,G,H,I,J,K,L,M,N) and the set of   4

    functional dependencies

$\{\{E,F\}\rightarrow\{G\},\{F\}\rightarrow\{I,J\},\{E,H\}\rightarrow\{K,L\},\{K\}\rightarrow\{M\},\{L\}\rightarrow\{N\}\}$

on R. What is the key for R?

a. {E,F}

b. {E,F,H}

c. {E,F,H,K,L}

d. {E}

18	A deadlock exist in a system if and only if the wait for graph:	5

   a. Has a cycle in it
   b. Is a tree
   c. Has a path from first node to last node
   d. Has no cycle in it

19	Which one is not an ACID property?	5

   a. Atomicity
   b. Consistency
   c. Improper
   d. Durability

20	What is log in logbased recovery system?	5

   a. Filter
   b. Block
   c. Numbers
   d. Records

21

22	The DBMS process queries in three phases, the first is ___	6

   a. Parsing
   b. Analyzing
   c. Evaluating
   d. Fetching

23	The process of finding a best strategy for processing a query is called	6

   a. Query optimization
   b. Query evaluation
   c. Query processing
   d. Query cost

24	Materialized view used to speed up :	6

   e. Query Optimization
   f. Query evaluation
   g. Query processing
   h. Query Management

25	One of the following step is not followed in processing a query	6

   a. Parsing and Translation
   b. Optimization
   c. Evaluation
   d. Distribution