

Program: TE Computer Engineering  
Curriculum Scheme: Revised 2016  
Examination: Third Year Semester VI

Course Code: CSDLO602

Course Name: ADBMS

Time: 1 hour Max.

Marks: 50

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Note to the students:- All the Questions are compulsory and carry equal marks.

1. Indexing based on a sorted order of values are called
  - a) Sequenced indices
  - b) Ordered indices
  - c) Hashing indices
  - d) Structured indices
  
- 2 B-tree eliminates redundant storage of
  - a) Search keys
  - b) Indices
  - c) Buckets
  - d) Bucket skew
  
- 3 Hash indices are based on a range of bucket values, which is determined by a function, called a
  - a) Ordering function
  - b) Index function
  - c) Hash function
  - d) Table function
  
- 4 Files are logically partitioned into storage units of fixed-length known as
  - a) Sectors
  - b) Tracks
  - c) Segments
  - d) Blocks
  
- 5 Sorting of relations that \_\_\_\_\_ is called External sorting

- a) Fits in memory
  - b) divides by memory
  - c) Partitioned in memory
  - d) do not fit in memory
- 6 A single pass through the file with fewer records hashes its records to the hash file buckets called \_\_\_\_\_
- a) Partitioning Phase
  - b) Probing Phase
  - c) Processing phase
  - d) Nonprobing phase
- 7 Pipelines can be executed as
- a) Demand Driven
  - b) nonprocedural Driven
  - c) derived driven
  - d) product driven
- 8 Query processing involves
- a) Parsing and translation
  - b) hashing
  - c) nonprocedural method
  - d) procedural method
- 9 Natural join operations are \_\_\_\_\_
- a) associative
  - b) commutative
  - c) effective
  - d) nonfictive
- 10 Correctness rules for Data Fragmentation are
- a) Completeness
  - b) join less
  - c) construction
  - d) reliable
- 11 Goals of Distributed database system are:
- a. Reliability

- b. nonavailability
- c. breaded Performance
- d. nested operations

12 Each Local transaction is a sub transaction of a \_\_\_\_\_ transaction

- a) Global
- b) Global as well as flat
- c) Nested
- d) Local

13 Types of Distributed system are

- a) Heterogeneous DB
- b) Specific DB
- c) Advanced DB
- d) Duplicated DB

14 Global Wait-for graph is used for \_\_\_\_\_ in Distributed database.

- a) Handling concurrency control
- b) Handling failures
- c) **Handling deadlock**
- d) None of the above

15 Document oriented database contains documents and relational database contains \_\_\_\_\_

- a) entity
- b) schema
- c) relation
- d) feature

16 In document oriented databases there is less duplicated data in the database this is one of \_\_\_\_\_

- a) Advantage
- b) Disadvantage
- c) Drawback
- d) Feature

17 XML is \_\_\_\_\_

- a) Extended Markup language
  - b) Extensible Markup Language
  - c) Extended modification language
  - d) Extensible Manipulation language
- 18 #PCDATA is
- a) Parallel char data
  - b) Parsed character data
  - c) Parallel communication data
  - d) Parsed communication data
- 19 Form of data, having an associated time interval during which it is valid, is known as\_\_\_\_\_
- a) Temporal data
  - b) Snapshot data
  - c) Chunk data
  - d) Point in time data
- 20 GIS stands \_\_\_\_\_
- a) Geographic Information System
  - b) For Generic Information System
  - c) Geological Information System
  - d) Geographic Information Sharing
- 21 Vector data are constructed from basic geometric objects:
- a) Wide points
  - b) underline segments
  - c) complex segments
  - d) line segments
- 22 GIS deals with which kind of data
- a) Numeric data
  - b) Binary data
  - c) Spatial data
  - d) Complex data

23 Channels that are pathways for information to flow implicitly in ways that violate the security policy of an organization are called \_\_\_\_\_

- a) Covert Channels
- b) Convert channels
- c) Coaxial channels
- d) Communication channels

24 The countermeasures to statistical database security problem is called \_\_\_\_\_ measures

- a) Demand control
- b) Interface control
- c) Demand countable
- d) Interface countable

25 Database security mechanisms are categorized as \_\_\_\_\_

- a) Management security mechanisms
- b) Dominant security mechanisms
- c) Discretionary security mechanisms
- d) Demanded security mechanisms