

## DBMS MCQ-5

- 1) Which JDBC driver Type(s) can be used in either applet or servlet code?
- a) Both Type 1 and Type 2
  - b) Both Type 1 and Type 3
  - c) Both Type 3 and Type 4
  - d) Type 4 only
- 2) \_\_\_\_\_ is considered to be one of the foundations of data access in the Microsoft world.
- a) ODBC
  - b) OLE DB
  - c) JPCD
  - d) ADO
- 3) What is sent to the user via HTTP, invoked using the HTTP protocol on the user's computer, and run on the user's computer as an application?
- a) A Java application
  - b) A Java applet
  - c) A Java servlet
  - d) None of the above is correct.
- 4) A snowflake schema is which of the following types of tables?
- a) Fact
  - b) Dimension
  - c) Helper
  - d) All of the above
- 5) The most popular way to materialize XML documents is to use:
- a) DTD.
  - b) XSLT.
  - c) HTML.
  - d) SOAP.
- 6) In OLE DB, actions that an object can perform are called:

- a)properties.
- b)collections.
- c)methods.
- d)abstractions.

7)A star schema has what type of relationship between a dimension and fact table?

- a)Many-to-many
- b)One-to-one
- c)One-to-many
- d)All of the above.

8)How many copies of a JSP page can be in memory at a time?

- a)One
- b)Two
- c)Three
- d)Unlimited

9)If the XML data instance conforms to the DTD, the document is said to be:

- a)type-invalid.
- b)type-valid.
- c)not-type-valid.
- d)an HTML document.

10)When using ODBC, which of the following serves as an intermediary between the application and the DBMS drivers?

- Aa)Data source
- b)Driver
- c)Driver manager
- d)OLE DB

Answers:

- 1)c
- 2)b
- 3)b

- 4)d
  - 5)b
  - 6)c
  - 7)c
  - 8)a
  - 9)b
  - 10)c
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## **DBMS MCQ-4**

**1)Which privilege is required to create a database?**

- (A) SYSDBA
- (B) DBA
- (C) SYSOPER
- (D) RESOURCE

**2)Which Normal Form(NF) is considered adequate for normal relational database design?**

- (A) 2NF
- (B) 5NF
- (C) 4NF
- (D) 3NF

**3)A Foreign key in one table points to a \_\_\_\_\_ key in another table.**

- (A) Alternate
- (B) Default
- (C) Primary
- (D) None of the above

**4)In SQL, the spaces at the end of the string are removed by \_\_\_\_\_ function**

- (A) Lower
- (B) String

- (C) Trim
- (D) None of the above

**5)The highest level in the hierarchy of data organization is called\_\_\_\_\_**

- (A) data base
- (B) data file
- (C) data record
- (D) None of the above

**6)\_\_\_\_\_ is the process of organizing data into related tables.**

- (A) Generalization
- (B) Normalization
- (C) Specialization
- (D) None of the above

**7)Which of the following keyword can be used to return different values?**

- (A) SELECT
- (B) GET
- (C) OPEN
- (D) DISTINCT

**8)Which of the following field type is used to store photograph of employees?**

- (A) Memo
- (B) Picture
- (C) OLE
- (D) Photo

**9)Which of the following is standard interactive and programming language for getting information from and updating a database.**

- (A) SQL
- (B) PHP
- (C) ASP
- (D) None of the above

**10) Which TCL command is used to permanently save any transaction into database?**

- (A) rollback
- (B) savepoint
- (C) commit
- (D) None of the above

**Answers:**

- 1) a
  - 2) d
  - 3) c
  - 4) c
  - 5) a
  - 6) b
  - 7) d
  - 8) c
  - 9) a
  - 10) c
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## **DBMS MCQ-3**

**1) Each block of B tree of order 'n' can have**

- a) n-1 key values, and n pointers
- b) n+1 key values, and n pointers
- c) n key values, and n+1 pointers
- d) Cannot be determined

**2) Which normal form is considered adequate for relational database design?**

- a) 2NF
- b) 3NF
- c) 4NF
- d) BCNF

**3)The concept of locking can be used to solve the problems of**

- a)Lost Updates
- b)Uncommitted dependency
- c)Inconsistent data
- d)All of the above

**4)When the number of buckets or the bucket address range changes with file, it is called**

- a)Hashing
- b)Extendable Hashing
- c>Inverted index Hashing
- d)None of the above

**5)Blocking factor is applicable for ..... organization**

- a)Spanned
- b)Un-spanned
- c)Both
- d)None

**6)A correlate sub-query always executes in**

- a)Top-Bottom
- b)Bottom-Top
- c)Top-Bottom-Top
- d)None of these

**7)Access time in B+ trees**

- a)Varies
- b)Constant
- c)Cannot say
- d)Both a and b

**8)The five aggregation operations in SQL is**

- a)SUM, AVG, IN ALL, ANY
- b)SUM, AVG, MIN, MAX, DISTINCT
- c)SUM, AVG, MIN,MAX,COUNT
- d)SUM, AVG,IN, DISTINCT,COUNT

**9)Deadlock in database system is an example of...**

- a)User error

- b) Consistency error
- c) System error
- d) None of these

**10) Which language is used to define the integrity constraints?**

- a) DDL
- b) DML
- c) DCL
- d) None of these

**Answers:**

- 1) a
- 2) b
- 3) d
- 4) b
- 5) b
- 6) c
- 7) b
- 8) c
- 9) c
- 10) a

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## **DBMS MCQ-2**

**1) Locking may cause which of the following problems?**

- a) Deadlock
- b) Versioning
- c) Versioning & deadlock
- d) Erroneous updates
- e) Erroneous updates and deadlock

**2) Which of the following are placeholders for literal values in a SQL query being sent to the database?**

- a) reduction and resolution variables

- b) resolution variables
- c) reduction variables
- d) assimilation variables
- e) bind variables

3) **What is meant by type in RDBMS?**

- a) Domain
- b) Range
- c) Named set of value
- d) Both a and c
- e) None of these

4) **What are the function of DCL?**

- a) handling the authorization aspects of data
- b) permitting the user to control who has access to see or manipulate data within the database
- c) both a and b
- d) a only
- e) None of these

5) **Which database level is closest to the users?**

- a) External
- b) Internal
- c) Physical
- d) Conceptual
- e) None of these

6) **Fifth Normal Form is concerned with**

- a) Functional dependency
- b) Multi-valued Dependency
- c) Join Dependency
- d) Domain Key
- e) None of these

7) **In E-R diagram, the term cardinality is a synonym for the term.....**

- a) Attributes
- b) Degree

- c)Entities
- d)Cartesian
- e)None of these

8)**Rows of a relation are called:**

- a)Relation
- b)Tuples
- c)Data Structures
- d)An entity
- e)None of these

9)**An Oracle server index—**

- a)Is a schema object
- b)Is used to speed up the retrieval of rows by using a pointer
- c)Is independent of the table its indexes
- d)All of the above
- e)None of these

10)**In Oracle, what is the default number of transactions that MAXTRANS is set to if not specified?**

- a)512
- b)10
- c)40
- d)1
- e)255

**Answers:**

- 1)a
- 2)e
- 3)d
- 4)c
- 5)a
- 6)c
- 7)b
- 8)b
- 9)d
- 10)e

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## **DBMS MCQ-1**

1) A set of programs that handle firm's database responsibilities is called a

- a) Database Management System(DBMS)
- b) Database Processing System(DBPS)
- c) Data Management System(DMS)
- d) All of the above
- e) None of these

2) Which of the following is used with database?

- a) EDI
- b) Credit card
- c) ATM
- d) Payment Gateway
- e) Data mining

3) In Oracle, who owns the data dictionary?

- a) Oracle
- b) SYS
- c) The DBA
- d) System
- e) None of these

4) The language used in application programs to request data from the DBMS is referred to as the

- a) DML
- b) DDL
- c) Query Language
- d) DCL
- e) None of these

5) An indexing operation

- a) Sorts a file using a single key

- b)Sorts file using two keys
- c)Establishes an index for a file
- d)Both a and c
- e)None of these

6)In SQL, which command is used to changes data in a data table?

- a)Update
- b)Insert
- c)Browse
- d)Append
- e)None of these

7)An Oracle server index.....

- a)Is a schema object
- b)Is used to speed up the retrieval of rows by using a pointer
- c)Is independent of the table it indexes
- d)All of the above
- e)None of these

8)Aggregation is special form of .....

- a)Object
- b)Specialization
- c)Generalization
- d)Association
- e)None of these

9)Which command is used to redefine a column of the table in SQL?

- a)Alter Table
- b)Modify Table
- c>All of the Above
- d)Define Table
- e)None of these

10)Data mining evolve as a mechanism to cater the limitations of .....system to deal massive data sets with high dimensionality, new data type, multiple heterogenous data

resources etc.

a)OLTP

b)OLAP

c)DSS

d)DWH

e)None of these

**Answers:**

1)d

2)e

3)b

4)a

5)c

6)a

7)d

8)d

9)a

10)a