

Model Question paper for online examination

T.Y.B.Sc.CS PAPER- DBMS II & Software Engineering

1. A relation is in _____ if an attribute of a composite key is dependent on an attribute of other composite key.
 - a) 2NF
 - b) 3NF
 - c) BCNF
 - d) 1NF
2. What are the desirable properties of a decomposition
 - a) Partition constraint
 - b) Dependency preservation
 - c) Redundancy
 - d) Security
3. R (A,B,C,D) is a relation. Which of the following does not have a lossless join dependency preserving BCNF decomposition?
 - a) $A \rightarrow B, B \rightarrow CD$
 - b) $A \rightarrow B, B \rightarrow C, C \rightarrow D$
 - c) $AB \rightarrow C, C \rightarrow AD$
 - d) $A \rightarrow BCD$
4. Multi valued dependencies are also called as _____
 - a) Equality generating dependencies
 - b) Tuple generating dependencies
 - c) Multi-purpose dependencies
 - d) None of the mentioned
5. Functional dependencies are sometimes referred to as _____
 - a) Equality generating dependencies
 - b) Tuple generating dependencies
 - c) Multi-purpose dependencies
 - d) None of the mentioned
6. A functional dependency f on R is _____ by a set of functional dependencies F on r if every instance of r(R) that satisfies f also satisfies F.
 - a) Logically Defined
 - b) Logically Derived
 - c) Logically implied
 - d) None of the mentioned

7. A lock that allows concurrent transactions to access different rows of the same table is known as a
- a) Field-level lock
 - b) Row-level lock
 - c) Table-level lock
 - d) Database-level lock
8. A transaction completes its execution is said to be
- a) Saved
 - b) Loaded
 - c) Rolled
 - d) Committed
9. A system is in a _____ state if there exists a set of transactions such that every transaction in the set is waiting for another transaction in the set.
- a) Idle
 - b) Waiting
 - c) Deadlock
 - d) Ready
10. Which of the following are parameters involved in computing the total cost of a software development project?
- a) Hardware and software costs
 - b) Effort costs
 - c) Travel and training costs
 - d) All of the mentioned