

- A) Augmentation rule B) Reflexive rule
C) Transitivity rule D) Trivial rule

(6) Which statement is used to undo all uncommitted works done by a transaction?

- A) COMMIT
- B) SAVEPOINT
- C) ROLLBACK
- D) DELETE

(7) Which aggregate function is used to find the average value of a column?

- A) SUM
- B) COUNT
- C) AVG
- D) MEDIAN

(8) What is an alias for a table, view, or sequence that does not need separate storage?

- A) Index
- B) View
- C) Synonym
- D) Trigger

(9) Which type of lock is applied on a table when data is only being viewed?

- A) Exclusive Lock
- B) Shared Lock
- C) Row Exclusive
- D) Update Lock

(10) Which statement is used by a programmer to explicitly raise an exception?

- A) TRIGGER
- B) START
- C) RAISE
- D) THROW

Section D

Q.-4. State whether the following statements are true or false. (10)

- (1) Data are defined as raw and unprocessed facts that have not been processed to reveal their meaning.
- (2) Metadata describes data qualities and the relationships that connect data in the database.
- (3) A single-user database can be accessed by multiple users simultaneously as long as they are in the same department.
- (4) A centralized database is one that supports data from a single location.
- (5) The single-tier architecture is the most complex of all DBMS architectures.
- (6) Hierarchical data models represent their core logical structure using a top-down tree.
- (7) In an E-R diagram, an entity set is represented by an oval symbol.
- (8) A relation is in 1NF if it contains composite or multi-valued attributes.
- (9) A sub-query is an inner query contained within another parent query.
- (10) A view is a virtual table that is updated in real time whenever it is invoked.
