

# DBMS\_SECOMP\_B\_UT2\_QUESTION PAPER

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**\*Required**

## SECTION 1 - MCQs (8M)

All questions are Compulsory (Each question carries 1M)

1. If one attribute is determinant of second, which in turn is determinant of third, then the relation cannot be in \*

1 point

- ☐ 1NF
- ☐ 2NF
- ☒ 3NF
- ☐ Well structured

2. Atomicity of domain of attribute is related to \*

1 point

- ☐ 1NF
- ☐ 2NF
- ☐ 3NF
- ☒ BCNF



3. Let  $R = \{A, B, C, D, E, F\}$  and FDs  $\{A \rightarrow BC, E \rightarrow CF, B \rightarrow E, CD \rightarrow EF\}$  are given, then closure of  $\{AB\}^+$  is: \*

1 point

- ☐ {ABCDEF}
- ☐ {ABC}
- ☒ {ABCEF}
- ☐ {ABDEF}

4. Given relation  $R = (ABCDE)$ ,  $F = \{A \rightarrow C, E \rightarrow D, B \rightarrow C\}$ , Which of the following is a Candidate key. \*

1 point

- ☐ {A}
- ☐ {ABC}
- ☐ {AE}
- ☒ {ABE}

5. Which of the following makes the transaction permanent in the database ? \*

1 point

- ☐ Rollback
- ☒ Commit
- ☐ View
- ☐ flush



6. The term stating either all operations of the transaction to be reflected at the database, or none at all is known to be... \*

1 point

- ☐ Isolation
- ☒ Atomicity
- ☐ Durability
- ☐ Inconsistency

7. When multiple transactions are executing concurrently in an interleaved fashion, then the order of execution of operations from the various transactions is known as a \*

1 point

- ☐ Transaction
- ☐ Serializability
- ☒ Schedule
- ☐ Isolation

8. which of the following is NOT the property of a transaction? \*

1 point

- ☐ Atomicity
- ☐ Concurrency
- ☐ Isolation
- ☒ Durability

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