

CS3095D DBMS Lab

Exercise 05 - Normalization

Date: 28.09.2021

Marks: 02

Evaluation – I

Set - C

(Answer all questions)

1. When we normalize relation by decomposing it into multiple relations, what we must do to maintain data integrity? **(0.5 Marks)**
 - a. Link relations by common attribute.
 - b. Remove functional dependencies from both relations.
 - c. Create primary key(s) for new relation.
 - d. Assign same primary key(s) for new relation as old one.
2. _____ attribute of a relation schema is not a member of any candidate key. **(0.5 Marks)**
3. Consider a relation R (A, B, C, D) with the set of functional dependencies, $F = \{A \rightarrow C, B \rightarrow D\}$. Assuming atomic values for all attributes, the relation is in which normal form? Justify. **(1Marks)**
