

CS3095D DBMS Lab

Exercise 05 - Normalization

Date: 28.09.2021

Marks: 02

Evaluation – I

Set - B

(Answer all questions)

1. Which of the following relation schemas is(are) in BCNF? **(0.5 Marks)**

- a. R (A, B, C)
- b. R (A, B)
- c. R (A, B, C, D)
- d. R (A, B, C); FD1: $A \rightarrow B$

2. A relation in 3NF is _____ in BCNF **(0.5 Marks)**

3. For a relation schema R (A, B, C, D) with functional dependencies $\{A \rightarrow B, A \rightarrow C \text{ and } C \rightarrow D\}$. Is the relation in 3NF? Justify your answer. **(1 Marks)**
