

CSCI3170 Short Assignment #2

(Deadline: Nov 6, 2020 23:59)

Name:

Pass / Fail

Student ID:

Consider the following relation schema and functional dependency:

$R(A,B,C)$

$F = \{A \rightarrow C, C \rightarrow A\}$

1. Find A^+ , B^+ , C^+ , AB^+ , and BC^+

2. List all the candidate keys of the relation.

3. Is the relation in BCNF? Briefly explain your answer.

4. Is the relation in 3NF? Briefly explain your answer