Question 1
Given R = \{A, B, C\}, and the set of FDs \(A \rightarrow B, \ A \rightarrow C\).
(a) Find the candidate keys of \(R\).
(b) Is \(R\) in BCNF? Why?

Question 2
Given R = \{A, B, C\}, and the set of FDs \(A \rightarrow B, \ B \rightarrow C\).
(a) Find the candidate keys of \(R\).
(b) Is \(R\) in BCNF? Why?

Question 3
Given R = \{A, B, C, D\}, and the set of FDs \(A \rightarrow BC, \ B \rightarrow D\).
(a) Find the candidate keys of \(R\).
(b) Is \(R\) in BCNF? Why?

Question 4
Given R = \{A, B, C, D\}, and the set of FDs \(A \rightarrow BC\).
(a) Find the candidate keys of \(R\).
(b) Is \(R\) in BCNF? Why?

Question 5
Given R = \{A, B, C\}, and the set of FDs \(AB \rightarrow C, \ C \rightarrow B\).
(a) Find the candidate keys of \(R\).
(b) Is \(R\) in BCNF? Why?