Question 1:

  a) ACD, BCD, ECD

  b) Is in 3NF.

  c) Not in BCNF.

Question 2:

  a) Candidate key: B

     Not BCNF, Not 3NF.

     Decomposition: $\{ABCD\} \to \{BC\} \, and \, \{CAD\}$

  b) Candidate key: BD

     Not BCNF, Not 3 NF.

     Decomposition: $\{ABCD\} \to \{BD\} \, and \, \{BC\} \, and \, \{DA\}$