Assignments

1. By showing each step, convert the left-hand side and right-hand side of the main implication of the following sentence into CNF [Ex-7.18(b) (Soft copy)]:

[(Food → Party) ∨ (Drinks → Party)] → [(Food ∧ Drinks) → Party]

1. Consider a vocabulary with the following symbols: [Ex-8.10(Soft copy)]
2. Translate the first-order loagic the sentence “Everyone’s DNA is unique and is derived from their parent’s DNA.” You must specify the precise intended meaning of your vocabulary terms. (Hint: Do not use the predicate *Unique*(x), since uniqueness is not really a property of an object in itself!) [Ex-8.24 (Book)]
3. Conjunctive normal form (page : 253)