Question 1:
For the Missionaries and Cannibal problem give

(a) Two heuristics

(b) Argue clearly if they are or are not admissible [i.e., \( h \leq h^* \)]

(c) Argue clearly if they are or are not monotonic [i.e., \( h(\text{parent}) \leq \text{cost} ([\text{parent}, \text{child}] + h(\text{child})) \)]

Question 2:
Argue why it is necessary to examine the redirection of parent pointers of children and grandchildren of a node on the closed list whose parent pointer was changed. Give an example.