**CS344 Introduction to AI Quiz-1**

**17/1/11 10+ 10 marks**

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<=h\*]

(c) Argue clearly if they are or are not monotonic [i.e., h(parent) <= cost ([parent, child) + h(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.

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