CSE422: Artificial Intelligence
Fall 2024
Theory QUIZ-01
Duration: 40 Minutes

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A

Name:	ID:	Section:

1)a. Comment on the admissibility of heuristic and fix any values on the table if needed. (4)

   b. Now perform A* search using the edited/updated heuristic values if any. (6)

   c. Now comment on the heuristic consistency of the nodes S and F. Must show calculation to justify your answer. (4)

   d. Using the updated heuristic table, can we perform a A* Search to find optimal path from state S to node E? Please provide a brief explanation for your answer (4)

states→n	h(n)
S	10
A	8
B	7
C	6
D	7
E	3
F	1
G	0