Artificial Intelligence Lab (CS 236)

Evaluation Assignment - 1

Time: 1 HR (9.05 AM-10.05 AM)   **Marks: 10**

1. Write a python code to solve the following task using uniform cost search:

   Three missionaries and three cannibals must cross a river with minimum cost using a boat which can carry at most two people, under the constraint that, for both banks, that the missionaries present on the bank cannot be outnumbered by cannibals. The boat will charge Rs 10 for missionaries and Rs 20 for cannibals.