

CSE 404: Artificial Intelligence Lab
Final Exam 2020
Full marks: 10
Maximum Allowable Time: 3 hours

(For Students whose Roll numbers are Even)

1. Write a Prolog program (A collection of facts and rules) that can answer the common queries based on the following paragraph.

John Fitzgerald Kennedy (May 29, 1917 – November 22, 1963), often referred to by his initials JFK, was an American politician who served as the 35th president of the United States from 1961 until his assassination near the end of his third year in office. Kennedy served at the height of the Cold War, and the majority of his work as president concerned relations with the Soviet Union and Cuba. A member of the Kennedy family and a Democrat, he represented Massachusetts in both houses of the U.S. Congress prior to becoming president. Kennedy was born into a wealthy, political family in Brookline, Massachusetts. He graduated from Harvard University in 1940 before joining the U.S. Naval Reserve the following year.

2. Write a program to solve Travelling Salesman Problem (TSP) using genetic algorithm.