Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Exam 2 ESE 346 Robertazzi Fall 2023

Answer all questions in no more than 2-3 sentences.

1. Draw the schematic diagram of the M/M/3 queue. Indicate input, outputs, arrival rate and service rates.
2. Give a practical example of supervised learning.
3. What would respond more quickly for use in a Jupiter space probe to an error in a packet received at Jupiter: an error detecting code or an error correcting code? Why?
4. Does a routing algorithm like Dijkstra’s or Ford Fulkerson’s provide naturally the shortest path between just a specified pair of nodes or the shortest paths from a specified root node to all of the other nodes?