CSCE 235 Quiz #4 **Apr 13, 01**

Name: ..... SSN: ..... Row: ..... L R

Instructions: Use only the notation used in class and in the textbook.

NOTE: *If you do not follow the instructions above, you may lose some points.*

Question 1: (6 points) Let G be a simple graph with n vertices and α edges, how many edges does $\overline{G}$ have?

Question 2: (6 points) Let n be a natural number greater than or equal to 2. What is the degree sequence of K_n?

Question 3: (6 points) Let m and n be natural numbers greater than or equal to 2. For what values of m and n does $K_{m,n}$ have an Euler cycle (if any)?

Question 4: (2 points) If a graph G has a degree sequence of 3,2,1,1,1,0,0. How many vertices does G have and how many edges does G have?

Number of vertices of G is: .....

Number of edges of G is: .....