CSCE 235 **Apr 7, 01**

Quiz #4

Name: ..... SSN: ..... Row:

Instructions: Do *ONLY* **four** of the following questions. **Circle** the questions which you want to be graded and **cross out** those which you do **not** want to be graded.

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

Question 1: (5 points) What is the degree sequence of $\overline{C_n}$?

Question 2: (5 points) When does $\overline{C_n}$ have an Euler cycle?

Question 3: (5 points) Let G be a simple graph with a degree sequence k_1, k_2, k_3, k_4, k_5, k_6, k_7. What is the degree sequence of $\overline{G}$?

Question 4: (5 points) Let G be a simple graph with a degree sequence k_1, k_2, k_3, k_4, k_5, k_6, k_7. How many edges does $\overline{G}$ have?

Question 5: (5 points) Let G be a simple graph with n vertices and k edges, how many edges does $\overline{G}$ have?

Question 6 (5 points) What is the degree sequence of K_n?

Question 7 (5 points) When does K_n have an Euler cycle?

Question 8 (5 points) How many edges does the $n-$cube have?