

**Math 343 - APPLIED DISCRETE MATHEMATICS (Fall 2005)**

**Assignment 5**

**Due: December 1**

**Question 1. [10 Marks]**

Exercise 5.1-(a) on page 189 of the textbook.

**Question 2. [10 Marks]**

Exercise 5.2 on page 189 of the textbook.

**Question 3. [10 Marks]**

Exercise 5.6-(b) on page 189 of the textbook.

**Notice:**

1) There is a typo on page 147. The vertex set of graphs used in Exercise 5.6 is

$$\{0, 1, 2, \dots, 9, a, b, c, d, e, f\}.$$

These graphs are defined in Exercise 4.9.

2) Adjacency matrices for graphs used in Exercise 5.6 are posted on the course web site: <http://www.sfu.ca/~vdabbagh/dataA6.html>.