

# Dr. Raja Latif. Math131-05-071 QuizTest 01

Department of Mathematics and Statistics, King Fahd University of Petroleum and Minerals  
Marks: 20, Time: 20 Minutes, Chapter 01 & 03. Saturday, October 03, 2007

NAME: \_\_\_\_\_, I.D# \_\_\_\_\_ Sec# \_\_\_\_\_

**NOTE – Show complete work for full credit. The questions are not in any order of difficulty at all.**

## I. EXAM QUESTION.71AL31(MARKS:10)(CAR SALES)

A used-car dealer bought two cars for \$ 2900. He sold one at a gain (profit) of 10% and another at a loss of 5% and still made a gain (profit) of \$215 on the whole transaction. Find the cost of each car.

## II. EXAM QUESTION.151AL6E(MARKS:10) (MIXTURE)

The Britannia Store, Which specializes in selling all kinds of nuts, sells peanuts at \$0.80 per pound and cashews at \$1.20 per pound. At the end of the month, the owner of the store finds that peanuts are not selling well and decides to mix peanuts and cashews to make a mixture of 70 pounds, which sell for \$1.00 per pound. How many pounds of peanuts and cashews should be mixed to keep the same revenue?

The Price of the First Car: \_\_\_\_\_ Dollars.

Weight of Peanuts : \_\_\_\_\_ Pounds

The Price of the Second Car: \_\_\_\_\_ Dollars.

Weight of Cashews : \_\_\_\_\_ Pounds