

Dr. Raja Latif. Math131-01-101 Fourth Quiz Test

Department of Mathematics and Statistics, King Fahd University of Petroleum and Minerals  
Marks: 20, Time: 10 Minutes, Ch. 5.1-8.2 Saturday, November 27, 2010.

NAME: \_\_\_\_\_, I.D# \_\_\_\_\_ Sec# 01

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

I. EXAM QUESTION(MARKS:10)

HOW MANY DISTINGUISHABLE PERMUTATIONS  
OF THE LETTERS IN THE WORD TREMEN-  
DOUSNESS ARE POSSIBLE?

II. EXAM QUESTION (MARKS:10)

A SHOP OFFERS 18 DIFFERENT ITEMS. YOU WANT TO BUY 4  
OF THEM. HOW MANY POSSIBLE CHOICES DO YOU HAVE?

# Permutations:

# Choices: