

Dr. Raja Latif. Math131-03-072 Second Quiz Test-2 Original

Department of Mathematics and Statistics, King Fahd University of Petroleum and Minerals
Marks: 20, Time: 10 Minutes, Ch. 8.1-8.2 Wednesday, May 14, 2008

NAME: _____, I.D# _____ Sec# 03

***NOTE – Show complete work for full credit. The questions are not in any order of difficulty at all. Write the exact number after simplifying your calculations by using calculator.**

First Exam Question387BZ45 (Marks:10)

(Personnel Selection).

Suppose 6 females (women) and 5 males (men) applicants have been successfully screened for 5 positions.

In how many ways can the composition (combinations) of one female and four males be selected?

- (A) 1800
- (B) 150
- (C) 1050
- (D) 30
- (E) 375
- (F) 420
- (G) 2400
- (H) 6300
- (I) 5040
- (J) 2000
- (K) 75
- (L) 332640
- (M) 8648640

(N) None of the above choices is correct and the correct answer is given in the following: Write your answer below very carefully. It should be a natural number.

Second Exam Question389TB29(Marks:10)

(Letter Arrangements).

How many nine-letter words from the letters in the word

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are possible if no letter is repeated.

- (A) 720
- (B) 40320
- (C) 362880
- (D) 11340
- (E) 3628800
- (F) 332640
- (G) 41580
- (H) 5940
- (I) 990
- (J) 45360
- (K) 5670
- (L) 5040
- (M) 60480

(N) None of the above choices is correct and the correct answer is given in the following: Write your answer below very carefully. It should be a natural number.
