

Dr. Raja Latif. Math131-04-072 Second Quiz Test-2

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# 04

***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 Question JA349RL45 (Marks:10)

(Government Contracts).

A government agency must distribute 10 orders among 3 different firms A, B, and C such that A receives six orders, B receives three orders, and C receives one order.

In how many ways can the orders be distributed?

- (A) 2468
 - (B) 1260
 - (C) 4320
 - (D) 840
 - (E) 1152
 - (F) 1260
 - (G) 140
 - (H) 2880
 - (I) 4200
 - (J) 3150
 - (K) 8640
 - (L) 3628800
 - (M) 2520
 - (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.
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Second Exam Question389TB29(Marks:10)

(Multiple-Choice Exam).

In how many ways is it possible to answer a six-question multiple-choice examination if each question has four choices (and one choice is selected for each question)?

- (A) 4096
 - (B) 15625
 - (C) 16384
 - (D) 40320
 - (E) 390625
 - (F) 1296
 - (G) 7776
 - (H) 16807
 - (I) 2401
 - (J) 32768
 - (K) 6720
 - (L) 2520
 - (M) 65536
 - (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.
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