

King Fahd University of Petroleum & Minerals
Department of Mathematics & Statistics
STAT-319-Term171
Quiz #2-03

Name:

ID:

Serial:

Q 1: Mohammad is applying for 8 jobs and believes that he has in each case the same probability of 0.42 getting an offer. What is the probability of getting less than two offers?

Q 2: The monthly worldwide number of airplane crashes averages 3. Assuming that it has a Poisson distribution,

1. Find the probability that there will be at least one crash this month.
2. If already at least one crash occurred this month, what is the probability that there will be at least one more?