## King Fahd University of Petroleum & Minerals Department of Mathematics & Statistics STAT-319-Ter122

Quiz #2

Name: ID: Serial:

Q 1: Consider the following out come for experiment:

Outcome (x)	1	2	3	4	5
Probability $p(x)$	0.2	0.25	0.15	0.10	0.30

- a. Let event A consist of the outcomes 1, 3, and 5 and event B consist of outcome 4 and 5. Find the probability the either A or B occurs.
- b. Find the mean and standard deviation of the outcome of the experiment.

Q 2: 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 at most three offers?

