**Problem Statement 1:**

In a class on 100 students, 80 students passed in all subjects, 10 failed in one subject, 7

failed in two subjects and 3 failed in three subjects. Find the probability distribution of

the variable for number of subjects a student from the given class has failed in.

Probability of failing 0 subjects: .8(80/100)

Probability of failing 1 subject is: .1(10/100)

Probability of failing in 2 subject is: 0.07(7/100)

Probability of failing in 3 subjects is:.03.(3/100)