Sol. 9 Quit 1 (Prob. Sec A) Stem-l-leaf plot

2 | 5.8,6.6,6.9,7.0,7.1,7.6,7.9,8.5,8.5,8.8,8.9,9.3,9.3,9.4,9. 3 | 0.1, 0.1, 0.4, 0.4, 0.6, 0.5, 1.2, 1.2, 1.4, 2.1, 2.3

 $100P = 90 = P = \frac{90}{100} = \frac{9}{10}$ 10P = 25.9 = 45 = 22.5 (Not an integer)

So 90th Percentile = 31.4 (23rd value)

For median P=1/2 & np=25.1=12.5/Not an integral

So Median = 29.3 (13th value)

best statistic for measuring the variation in the data because it measure variation in the same unit as the oxiginal data is-