SOLUTIONS
King Fahd University of Petroleum & Minerals
Department of Mathematical Science
STAT-211-Term042-II
Quiz #3   Section:
Name: ID: Serial:

Question One (5-Points)
Write **True** if the statement is true or **False** if not:
1. None of the central tendency measures can be used for categorical data: **FALSE**
2. The first quartile is affected by extreme values: **FALSE**
3. For left skewed data distribution the mean is grater the mode: **FALSE**
4. The sample variance always grater than the population variance: **FALSE**
5. The range consider the way in which dada are distributed: **FALSE**

Question Two (5-Points)
The following observations are the daily sales in thousands of super market in S.R

46	57	69	49	78	65	55	47	61	60
59	53	63	74	61	48	70	73	64	50

Use the above data **sample** to answer the following questions

1. The sample median is equal to:
   a. 61
   b. 60.1
   c. 59
   d. 60.5
2. The sample standard deviation is equal to:
   a. 9.5581
   b. 86.79
   c. 9.3161
   d. 91.3579

3. The coefficient of variation is:
   a. 9.56%
   b. 15.90%
   c. 15.50%
   d. 6.45%
4. The inter quartile range is equal to:
   a. 9.75
   b. 32
   c. 17.25
   d. 7.5
5. Based on the sample, the distribution of the data is:
   a. Symmetric
   b. Right -skewed
   c. Left -skewed
   d. Can't be determined