

Course No: 1308 BUS -1308BSNE
Course Title: principal of statistic
Date: 19-4-2018
No. of Questions: (3)
Time: 1 hours
Using Calculator (yes)

University of Palestine



Second Midterm Exam
2017/2018
Total Grade:30

Instructor Name:

Student No.: -----

Student Name: -----

College Name: -----

Dep. / Specialist: -----

Using Dictionary (No)

Question One:

10 marks

A) MULTIPLE-CHOICE

- 1- The Standard Deviation for: 1 , 5 , 9 , 12 , 3 equals
 - a. 20
 - b. 6
 - c. 4.47
 - d. 7.23
- 2- The Inter quartile range of views 2 , 4 , 6 , 8 is equals
 - a. 1.5
 - b. 3.75
 - c. 4
 - d. 2
- 3- If mean =50 and Variance = 25 ,The difference coefficient equal
 - a. 10%
 - b. 50%
 - c. 25%
 - d. 100%
- 4- Third Quartile (Q_3) of the marks 6 , 9 , 10 , 8 , 1 equal
 - a. 8.5
 - b. 3.75
 - c. 9,5
 - d. 17
- 5- The range of observations: 5 , 6 , 9 , 8 , 2 , -1 , 4 , 7 equals
 - a. 5
 - b. 8
 - c. 9
 - d. 10

6- All that comes of Central tendency except one:

- a. Median
- b. Mode
- c. Variance
- d. Mean

B) Define with explain :

1- Descriptive Statistics -----

2- Random Sampling -----

3- Midpoint -----

4- Correlation coefficient -----

The following data represent the grade classes for (10) students

Class	Frequencies					
2-	1					
7-	2					
12-	3					
17-	4					
	10					

Fined

1- Standard Deviation

2- Coefficient of Variation

A) Calculate the Spearman correlation coefficient between the estimates (A,B,C,D,E)

X	Y					
A	B					
B	C					
B	C					
A	B					
C	A					
A	C					
D	E					

B) Calculate the Pearson coefficient of correlation

X	Y					
1	3					
4	4					
2	6					
5	7					

The end of the questions With best wishes for all