التاريخ ١٤٣٩/٣/١٦ مدة الامتحان ساعة ونصف

مبادئ الاحصاء والاحتمالات

الأختبار الدورى الأول

Answer ALL the following Questions (20 Marks):					
رقمه الجامعي:	رقمه في كشف التوقيع:				
I. Chose the correct answer(5 Marks)	III. Gi	ven The	e following dat	ta(10 Marks))
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20		8 0	3 2	2 5	0
		5 8	9 6	8 2	9
1. The percent stimulation is symbolized by	0	5 0	5 3	4 5	6
1. The population's standard deviation is symbolized by a)SDc)σd)PS	1) Fill	in the fo	llowing table (use 6 classes	i).
2. The population for a survey given to 100 students from the new class at Umm Al-qura University is:	· · · · · ·	ass	Tally	Frequency	· ·
a) University Students b) Faculty of Science students c)New Class students d)the 100 selected students		400	rany	linequeriey	F
3. A qualitative variable					
a)refers to arranged sample b)Is not numeric c)Has only two possible outcomes d)All of the above are correct					
4. The ordinal scale of measurement					
a)Has a meaningful zero point b)Is based on ranks c)Cannot assume negative values d)All of the above					
5. Which of the following are examples of continuous variablesa)Birth weight of babiesb)Distance between two citiesc)Age of the students in a classd)All of the above					
6. The ratio scale of measurement					
a) involves ranking b)Cannot assume negative values c)Has a meaningful zero point d) based on counting					
7. width of the class in a frequency table is based on					
a)the range only b)Number of classes only c)range and number of classes only d)all of the above					
8. Correct examples of parameters are					
a)s and σ b) μ and σ c) μ and s d)none of the above					
9. The best central tendency measure for nominal data is	S	um			
a)mean b)median c)mode d)variance	2) Drop	w o Uist	ogram to repre	sont the distr	ibution
10. One of the advantageous of the median isa)based on the positionb)equal to only one data memberc) not affected by outliersd) the balance of the distribution	(2) Dia	w a msu	ogram to repre		Junion,
11. Outliers have the greatest effect on the					
a)mean b)mode c)median d)quartiles					
12. The simplest (and least useful) measure of variability is the					
a)variance b)Standard Deviation c)mode d)range					
13. It is possible that a distribution of scores could have more than one:					
a)mode b)variance c)Range d)Lower Quartile					
14. To compute the variance of a sample, the sum of the squared deviations is divided by					
<u>a)N</u> b)n c)n-1 d)N-1 15. Given the following data set, what is the value of the median? [2, 4, 3, 6, 1, 8, 9, 2, 5, 7]					
a)2 b)4.5 c)4.7 d)10					
16. Given the following set of data, what is the range? [12, 23, 34, 54, 21, 7, 9, 67]					
a)60 b)56 c)58 d)59					
17. In a distribution that is left skewed					
a) mean is larger than the median b)mean is smaller than the median					
c)mean is equal to the median d)mean is close to the median					
18. Ogives is used to graphically represent a)Frequency Distribution b)Tally Marks c)Relative Frequency Distribution d)Cumulative Frequency Distribution					
19. sturge's rule is used to	3- Con	npute the	e mean, Varian	ice, median	
a) width of a class b) upper and lower limits of a class c) number of classes d) frequency for each class					
20. stem and leaf plot is used to					
a)summarize the data b)preserve and reduce the data c)represent the data graphically d)all of the above					
II. Determine the correct and false statements (5 Marks)					
(1) is the average of the squared deviations from the mean.					
Because it uses every score in a distribution and is easy to interpret, the (2) is the most common measure of variability.					
Statistical Measures based on samples referred to as (3) while Statistical Measures based on					
populations referred to as (4)					
For the data set 12,7,8,4,9,5,6,4,9,10 the median would be (5)					
If the distribution is skewed, the best central tendency measure is (6) If the distribution is symmetric, the best central tendency measure is (7)					
If the mean for 1, 2, 4, 5, 6, 6, 7, 8, 9, 10, 12 and x. is 8.00, then the value of x is equal to (8)					
Ogives is used to represent the (9)					
Pie chart is best used to represent the(10)					

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