

Answer ALL the following Questions:

I. Chose the correct answer(15 Marks)

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| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 |
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1. *Numerical and pictorial information about variables are called*
a) analytical statistics b) descriptive statistics c) Inferential Statistics d) Statistical Information
2. *The entire group of interest for a statistical conclusion is called the*
a) Data b) information c) Population d) Sample
3. *Two types of statistical variables are*
a) categorical and descriptive b) Dichotomic and Polynomic c) Attribute and Quantitative d) Discrete and Continuous
4. *The science of statistics includes which of the following*
a)Organizing data b)Presenting data c)Interpreting data d)All of the above
5. *A qualitative variable*
a)refers to arranged sample b)Is not numeric c)Has only two possible outcomesd)All of the above are correct
6. *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
7. *Which of the following are examples of continuous variables*
a)Birth weight of babies b)Distance between two cities c)Age of the students in a class d)All of the above
8. *The ratio scale of measurement*
a)Usually involves ranking b)Cannot assume negative values
c)Has a meaningful zero point d)Is usually based on counting
9. *Which of the following statements is true regarding a sample?*
a)part of population b)It must contain five observations c)It is to descriptive statisticsd)All of the above are correct
10. *Which of the following statements is true regarding a population?*
a) must be a large number of values b)collection related individuals, objects, or measurements
c)None of the above d)It must refer to people
11. *A survey will be given to 100 students from the new class at Umm Al-qura University. What is the population?*
a)Umm Al-Qura University Students b) Faculty of Science students c)New Class students d)the 100 selected students
12. *A mean is known as a statistic if it is computed from the*
a)population data b)parameter c)statistical information d)sample data
13. *Correct examples of parameters are*
a)s and σ b) μ and σ c) μ and s d)none of the above
14. *were Fifty employees randomly selected from a large collection of employee in a company's headquarter. the Fifty employees is referred to as the*
a)Sample b)Parameters c)population d)Statistics
15. *The best central tendency measure for nominal data is*
a)mean b)median c)mode d)variance
16. *One of the advantageous of the median is*
a)based on the position b)equal to only one data memberc) not affected by outliers d) the balance of the distribution
17. *The population's standard deviation is symbolized by*
a)SD b)S c) σ d)PS
18. *Outliers have the greatest effect on the*
a)mean b)mode c)median d)quartiles
19. *The square root of the average of the squared deviations from the mean is*
a)Mean b)Variance c)Standard Deviation d)Average Deviation
20. *The simplest (and least useful) measure of variability is the*
a)variance b)Standard Deviation c)mode d)range
21. *It is possible that a distribution of scores could have more than one:*
a)mode b)variance c)Range d)Lower Quartile
22. *To compute the variance of a sample, the sum of the squared deviations is divided by*
a)N b)n c)n-1 d)N-1
23. *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
24. *Given the following set of data, what is the range? [12 23 34 54 21 7 9 67]*
a)50 b)56 c)58 d)59
25. *what is the mean of the following data [2, 3, 3, 4, 6, 7, 8, 8, 9, 10, 12]*

