S.T.E.T WOMEN'S COLLEGE MANNARGUDI

PG AND RESEARCH DEPARTMENT OF COMMERCE

MULTIPLE CHOICE QUESTIONS

SUBJECT NAME: BUSINESS TOOLS FOR DECISION MAKING

SUBJECT CODE: 16CCCCM8

CLASS:II-B.COM

B.ARULMOZHI

ASSISTANT PROFESSOR

1.Statistics comes form the Latin word

A) Status

B) Statista

C) Statistik

D) None Of These

ANSWER : A

2. Statistics has origin in;

A) Latin Word Status

B) Italian Word Statista

C) German Word Statistik

D) None Of These

ANSWER : A

3.Types of Statistics ;

A) Descriptive

B) Inferential

C) Applied

D) All Of These

ANSWER : D

4.Who is know as father of "Statistics"?

A) Gotifried Achenwall

B) Webstar

C) Croxton

D) Horance Secrist

ANSWER : A

5. Statistics defined as the numerical data in;

  A) Plural Sense

  B) Singular Sense

  C) A& B

  D) None Of These

ANSWER : A

6.In the quartiles , the central tendency median to be measured must lie in.

  A) First Quartile

  B) Second Quartile

  C) Third Quartile

  D) Four Quartile

ANSWER: B

7.The arithmetic mean is 12 and the number of observations 20 then the sum of the values is

  A) 8

  B) 32

  C) 240

  D) 1.667

ANSWER : C

8.The method used to compute average or central value of the collected data is consideredas

  A) Measures Of Positive Variation

B) Measures Of Central Tendency

C) Measures Of Negative Skewness

D) Measures Of Negative Variation

ANSWER : B

9.The mean or used to measure central tendency is called.

A) Sample Mean

B) Arithmetic Mean

C) Negative Mean

D) Population Mean

ANSWER : B

10.The number of observation are 30 and the value of arithmetic mean is 15 then sum of all values is

A) 5

B) 450

C) 200

D) 45

ANSWER : B

11. In arithmetic mean , the sum of deviation of all the recorded observation must always be

A) Two

B) Mins One

C) One

D) Zero

ANSWER : D

12. The arithmetic mean is 25 and all the sum of observation is 350 then the number of observation are
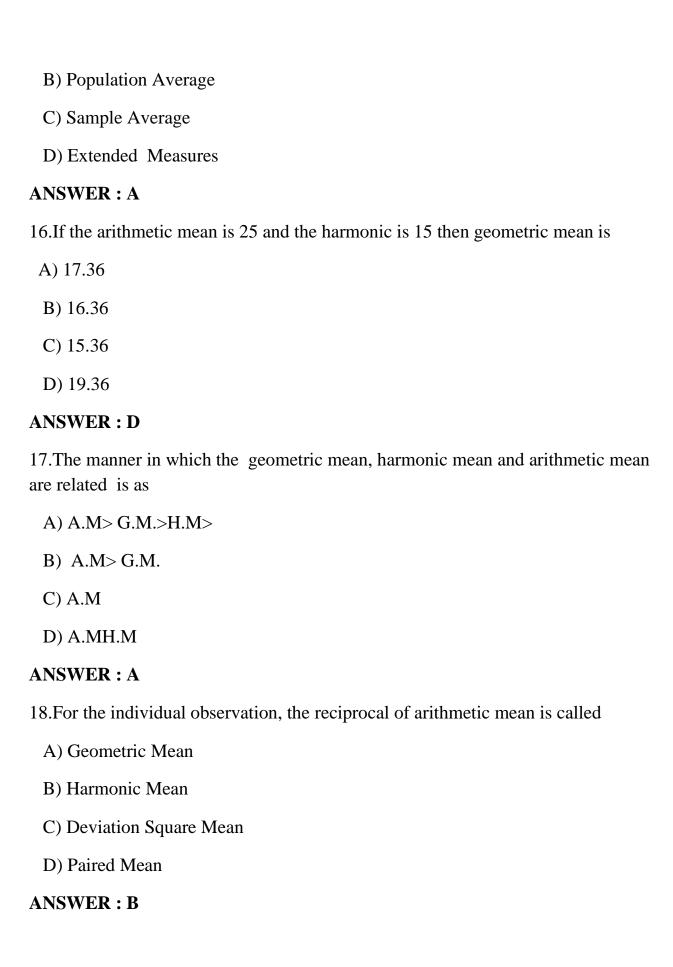
  A) 25

  B) 70

  C) 14

  D) 75

ANSWER : C

13.The arithmetic mean is multiplied to the coefficient of mean absolute deviation to calculate the

  A) Absolute Mean Deviation

  B) Absolute Median Deviation

  C) Relative Mean Deviation

  D) Relative Median Deviation

ANSWER : A

14.A number G is said to be the geometric mean between two numbers a and if a, G , b is

  A) A Sequence

  B) A.P

  C) Not A Sequence

  D) G.P

ANSWER : C

15.The harmonic mean, arithmetic mean and geometric mean are all considered as

  A) Mathematical Average

B) Population Average

C) Sample Average

D) Extended Measures

ANSWER : A

16.If the arithmetic mean is 25 and the harmonic is 15 then geometric mean is

A) 17.36

B) 16.36

C) 15.36

D) 19.36

ANSWER : D

17.The manner in which the geometric mean, harmonic mean and arithmetic mean are related is as

A) A.M> G.M.>H.M>

B) A.M> G.M.

C) A.M

D) A.MH.M

ANSWER : A

18.For the individual observation, the reciprocal of arithmetic mean is called

A) Geometric Mean

B) Harmonic Mean

C) Deviation Square Mean

D) Paired Mean

ANSWER : B

19.If the arithmetic mean is 20 and the harmonic mean is 30 then geometric mean is

 A) 14.94

 B) 24.94

 C) 34.94

 D) 44.94

ANSWER : B

19.If the quartile is 24 then the quartile deviation is

 A) 48

 B) 12

 C) 24

 D) 72

ANSWER : B

20.If mean absolute deviation of set of observations is 8.5 then value of quartile deviation is

 A) 7.08

 B) 9.08

 C) 10.2

 D) 11.2

ANSWER : A

21.The sum of all the squared deviations is divided by the total number of observation to calculate

 A) Population Deviation

 B) Population Variance

C) Sample Deviation

D) Sample Variance

ANSWER : B

22. For the recorded observation, the rations measured by absolute variation are considered as

A) Non- Relative Measures

B) Relative Measures

C) High Uniform Measures

D) Low Uninform Measures

ANSWER : B

23.If the arithmetic mean is multiple to coefficient of variation then the resulting value is classified as

A) Coefficient Of Deviation

B) Coefficient Of Mean

C) Standard Deviation

D) Variance

ANSWER : C

24.The scatter in a series of valves about the average is called

A) Central Tendency

B) Dispersion

C) Skewness

D) Symmetry

ANSWER : B

25.Which of the following is an absolute measure of dispersion?

A) Central Tendency

B) Dispersion

C) Skewness

D) Symmetry

ANSWER : B

26.The measure of dispersion which uses only two observation is called

A) Mean

B) Median

C) Range

D) Coefficient Of Variation

ANSWER : C

27.The measure of dispersion which uses only two observation is called:

A) Range

B) Quartile Deviation

C) Mean Deviation

D) Standard Deviation

ANSWER : A

28.The range of the scores 29,3,143,27,99is:

A) 140

B) 143

C) 146

D) 70

ANSWER : A

29.Half of the difference between upper and lower quartiles is called:

   A) Interquartile Range

   B) Quartile Deviation

   C) Mean Deviation

   D) Standard Deviation

ANSWER : B

30.In the measures of skewness , the absolute skewness is equal to

   A) Mean+ Mode

   B) Mean +Mode

   C) Mean + Median

   D) Mean- Median

ANSWER : B

31. A process by which we estimate of valve of dependent variable on the basis of one or more independent variable is called:

    A) Correlation

   B) Regression

   C) Residual

   D)Slope

ANSWER : B

32.The method of least squares dictates that we choose a regression line where the sum of the square of deviation of the points from the lie is:

   A) Maximum

B) Minimum

C) Zero

D) Positive

ANSWER : B

33.The slope of the regression line of Yon X is also called the:

   A) Correlation Coefficient Of X On Y

   B) Correlation Coefficient Of Y On X

   C) Regression Coefficient Of X On Y

   D) Regression Coefficient Of Y On X

ANSWER : D

34.In the simple linear regression, the numbers of unknown constants are:

   A) One

   B) Two

   C) Three

   D) Four

ANSWER : B

35.In simple regression equation , the numbers of variables involved are:

   A) 0

   B) 1

   C) 2

   D) 3

ANSWER : C

36.If the value of any regression coefficient is zero , then two variables are:

A) Qualitative

B) Correlation

C) Dependent

D) Independent

ANSWER : D

37.To determine the height of a person when his weight is given is:

A) Correlation Problem

B) Association Problem

C) Regression Problem

D) Qualitative

ANSWER : C

38.The dependent variable is also called:

A) Regression Variable

B) Predictand Variable

C) Explained Variable

D) All Of These

ANSWER : B

39.If one regression coefficient greater than one, then other will he:

A) More Than One

B) Equal To One

C) Less Than One

D) Equal To Minus One

ANSWER : C

40.The dependent variable is also called:

A) Regression

B) Regressand

C) Continuous Variable

D) Independent

ANSWER : C

41.In the regression equation Y= a+b X , the Y called:

A) Independent Variable

B) Dependent Variable

C) Continuous Variable

D) None Of The Above

ANSWER : B

42.In the regression equation X=a+bY , the X is called:

A) Independent Variable

B) Dependent Variable

C) Qualitative Variable

D) None Of The Above

ANSWER : B

43.A measures of the strength of the linear relationship that exists between two variables is called:

A) Slope

B) Intercept

C) Correlation Regression

D) Regression

ANSWER : C

44.Regression coefficient is independent of:

A) Units Of Measurement

B) Scale And Origin

C) Both (A) And(B)

D) None Of These

ANSWER : C

45.The term regression was used by:

A) Newton

B) Pearson

C) Spearman

D) Galton

ANSWER : D

46. An orderly set of data arranged in accordance with their time of occurrence is called

A) Arithmetic Series

B) Harmonic Series

C) Geometric Series

D) Time Series

ANSWER : D

47.A time series consists of:

A) Short- Term Variations

B) Long -Tern Variations

C) Irregular Variations

D) All Of The Above

ANSWER : D

48.The graph of time series is called:

A) Histogram

B) Straight Line

C) Historigram

D) Ogive

ANSWER : C

49.Secular trend can be measured by:

A) Two Methods

B) Three Methods

C) Four Methods

D) Five Methods

ANSWER : C

50.When the trend is of exponential type, the moving average rea to be computed by using .

A) Arithmetic Mean

B) Geometric Mean

C) Harmonic Mean

D) Weighted Mean

ANSWER : B

51.Moving average method is used for measurement of trend when:

A) Trend Is Linear

B) Trend Is Non Linear

C) Trend Is Curvilinear

D) None Of Them

ANSWER : A

52.A trend is the better fitted trend for which the sum of squares of residuals is :

A) Maximum

B) Minimum

C) Positive

D) Negative

ANSWER : B

53.The most commonly used mathematical method for meaning the trend is:

A) Moving Average

B) Semi Average

C) Method Of Least Squares

D) None Of Them

ANSWER : C

54.Decomposition of time series is called:

A) Historigram

B) Analysis Of Time Series

C) Histogram

D) Detrending

ANSWER : B

55. The best fitting trend is one which the sum of squares of residuals is:

   A) Negative

   B) Least

   C) Zero

   D) Maximum

ANSWER : B

56.Depression in business is:

   A) Secular Trend

   B) Cyclical

   C) Seasonal

   D) Irregular

ANSWER : B

57.Semi -average method is used for measurement of trend when:

   A) Trend Is Linear

   B) Observed Data Contains Yearly Values

   C) The Given Contains Odd Number Of Values

   D) None Of Them

ANSWER : A

58.Moving- average :

   A) Given The Trend In A Straight Line

   B) Measures The Seasonal Variation

   C) Smooth – Out The Time Series

D) None Of Them

ANSWER : C

59.The straight line is fitted to the time series when the movements in the time series are:

A) Nonlinear

B) Linear

C) Irregular

D) Upward

ANSWER : B

60.Time series data can be classified into

A) Two Components

B) Three Components

C) Four Components

D) Five Components

ANSWER : C

61.An index number is called a simple index when it is computed from

A) Single Variable

B) Bi- Variable

C) Multiple Variable

D) None Of Them

ANSWER : A

62. Index number are expressed in:

A) Rations

B) Squares

C) Percentage

D) Combination

ANSWER : C

63. If all the values are equal importance, the index numbers are called:

A) Weighted

B) Unweighted

C) Composite

D) Value Index

ANSWER : B

64. Index number can be used for:

A) Forecasting

B) Fixed Prices

C) Different Prices

D) Constant Prices

ANSWER : A

65. When the prices of rice are to be compared , we compute:

A) Volume Index

B) Value Index

C) Price Index

D) Aggregative Index

ANSWER : C

66. When index number is calculate for serval variables , it is called

A) Composite Index

B) Whole Sale Price Index

C) Volume Index

D) Simple Index

ANSWER : A

67.How many types are used for the calculate of index numbers:

A) 2

B) 3

C) 4

D) 5

ANSWER : A

68.In chain base method , the base period is:

A) Fixed

B) Not Fixed

C) Constant

D) Zero

ANSWER : B

69.Indices calculated by the chain base method are free from:

A) Seasonal Variations

B) Errors

C) Percentage

D) Rations

ANSWER : A

70.The chain base indices are not suitable for:

A) Long Range Comparisons

B) Short Range Comparisons

C) Percentage

D) Rations

ANSWER : A

71.When relative change is measured for a fixed period, it is called:

A) Chain Base Method

B) Fixed Base Method

C) Simple Aggregative

D) Cost Of Living Index Method

ANSWER : B

72.Paasche's price index number is also called:

A) Base Year Weighted

B) Current Year Weighted

C) Simple Aggregative Index

D) Consumer Price Index

ANSWER : B

73.Lespeyre's price index number is also called:

A) Base Year Weighted

B) Current Year Weighted

C) Simple Aggregative Index

D) Cost Of Living Index

ANSWER : A

74.Index number having downward bias is:

A) Laspeyre's Index

B) Paasche's Index

C) Fisher's Ideal Index

D) Marshall Edgeworth Index

ANSWER : B

75.Marshall edgworth price index was proposed by:

A) One English Economist

B) Two English Economist

C) Three English Economist

D) Many English Economist

ANSWER : B