

Question # 1 of 30 (Start time: 04:55:23 PM, 27 December 2020)

Value of Harmonic mean depends on

Select the correct option



Extreme values



Few observations



Both a & b



All the observations

Question # 2 of 30 (Start time: 04:56:31 PM, 27 December 2020)

According to the property of parameter, it is

Select the correct option



Variable



Constant



Discrete



Continuous

Question # 3 of 30 (Start time: 04:57:44 PM, 27 December 2020)

The graph of cumulative frequency distribution is called:

Select the correct option



Frequency polygon



Ogive



Frequency curve



Historigram

Question # 4 of 30 (Start time: 04:59:03 PM, 27 December 2020)

If any of the value in the data set is negative then it is impossible to compute:

Select the correct option



Geometric Mean



Mode



Median



Harmonic Mean

Question # 5 of 30 (Start time: 04:59:41 PM, 27 December 2020)

Chebyshev's inequality states that atleast $1 - \frac{1}{k^2}$ of the data values fall between :

▶ Select the correct option

Reload Math

☐

$$\bar{X} \pm k\sigma$$

☐

$$\bar{X} + k\sigma$$

☐

$$\bar{X} - k\sigma$$

☐

$$\bar{X}/k\sigma$$

Question # 6 of 30 (Start time: 05:01:10 PM, 27 December 2020)

In simple linear regression, which of the following statements indicates there is no linear relationship between the variables x and y ?

Select the correct option



Coefficient of determination is -1.0



coefficient of correlation is 0



sum of square of errors is 0



none of the above

Question # 7 of 30 (Start time: 05:02:14 PM, 27 December 2020)

In a week the prices of a bag of rice were 350,280,340,290,320,310,300.
The mid range is

Select the correct option



320



315



300



420

Question # 8 of 30 (Start time: 05:03:27 PM, 27 December 2020)

If the class interval of a histogram is very small and the number of classes is very large, then the rectangles of the histogram will be

Select the correct option



Wide



Narrow



Smooth



None of these

Question # 9 of 30 (Start time: 05:04:44 PM, 27 December 2020)

The distribution will be symmetrical. IF

Select the correct option



median=midquartilerange=midrange



median<midquartilerange<midrange



median>midquartilerange>midrange



None of the above

Question # 10 of 30 (Start time: 05:06:13 PM, 27 December 2020)

The beginnings of a cumulative frequency distribution are presented below. What is the next number in the Cumulative Frequency column?

Classes	Frequency	Cumulative Frequency
6.1 to 8	1	1
8.1 to 10	2	
10.1 to 12	3	

Select the correct option



0



1



2



3

Question # 10 of 30 (Start time: 05:06:13 PM, 27 December 2020)

The beginnings of a cumulative frequency distribution are presented below. What is the next number in the Cumulative Frequency column?

Classes	Frequency	Cumulative Frequency
6.1 to 8	1	1
8.1 to 10	2	
10.1 to 12	3	

Select the correct option



0



1



2



3

Question # 11 of 30 (Start time: 05:07:36 PM, 27 December 2020)

Which one of the following is less than mean for a symmetrical distribution:

Select the correct option



4th Decile



3rd Quartile



51th Percentile



75th Percentile

Question # 12 of 30 (Start time: 05:08:50 PM, 27 December 2020)

The extremely positive skewed curve is also known as:

Select the correct option



Frequency curve



U-shaped curve



J-shaped curve



Reverse J-shaped curve

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Select the correct option



Frequency curve



U-shaped curve



J-shaped curve



Reverse J-shaped curve

Question # 13 of 30 (Start time: 05:10:15 PM, 27 December 2020)

There are 30 people in a group. If all shake hands with one another , how many handshakes are possible?

Select the correct option



870



435



291



370

Question # 14 of 30 (Start time: 05:10:53 PM, 27 December 2020)

In how many ways, a team of 11 players can be chosen from a total of 16 players?

Select the correct option



4368



2426



5400



2680

Question # 15 of 30 (Start time: 05:11:44 PM, 27 December 2020)

In a Box and Whisker plot, left end of the box is referred to as:

Select the correct option



First quartile



Second quartile



Median



Mode

Question # 16 of 30 (Start time: 05:13:30 PM, 27 December 2020)

Putting the value of "k" which is greater than one in Chebyshev's inequality we get the proportion of values that lies in that range.

Select the correct option



Maximum



Optimum



Minimum



None of the above

Question # 17 of 30 (Start time: 05:14:11 PM, 27 December 2020)

Total angles in pie chart are

Select the correct option



360



300



180



270

Question # 18 of 30 (Start time: 05:14:36 PM, 27 December 2020)

For a particular data set the Pearson's coefficient of skewness is less than zero. What will be the shape of distribution?

Select the correct option



Positively Skewed



Symmetrical



Negatively Skewed



J-Shaped

Question # 19 of 30 (Start time: 05:16:16 PM, 27 December 2020)

Bowley's coefficient of skewness for a certain data is ZERO. What is the shape of the distribution of data?

Select the correct option



Symmetrical



Asymmetrical



Uniform



Bi-modal

Question # 20 of 30 (Start time: 05:17:43 PM, 27 December 2020)

Which measure of central tendency takes into account the magnitude of scores?

Select the correct option

☐

Mean

☒

Median

☐

Mode

☐

Range

Question # 21 of 30 (Start time: 05:18:28 PM, 27 December 2020)

Using the following table, calculate $P(X < 1)$

X	0	1	2	3
f(x)	1/8	3/8	3/8	1/8

Select the correct option



0



1

 $1/4$  $1/8$

Question # 22 of 30 (Start time: 05:18:56 PM, 27 December 2020)

A distribution having two modes is called:

Select the correct option



Uni-modal distribution



Bi-modal distribution



Tri-modal distribution



Multimodal distribution

Question # 22 of 30 (Start time: 05:18:56 PM, 27 December 2020)

A distribution having two modes is called:

Select the correct option



Uni-modal distribution



Bi-modal distribution



Tri-modal distribution



Multimodal distribution

Question # 23 of 30 (Start time: 05:20:02 PM, 27 December 2020)

If the Coefficient of variation = 22% and standard deviation= 1.3 what will be the value of mean(μ)?

Select the correct option



5.91



6.8



7.2



1

Question # 24 of 30 (Start time: 05:20:58 PM, 27 December 2020)

If the median of two observations is 8, then mean of these two observations will be

Select the correct option



7



9



8



6

Question # 25 of 30 (Start time: 05:22:27 PM, 27 December 2020)

What type of data is collected in population census?

Select the correct option



Grouped data



Secondary data



Primary data



Array data

Question # 26 of 30 (Start time: 05:23:39 PM, 27 December 2020)

A list of 5 pulse rates is: 70, 64, 80, 74, 92. What is the median for this list?

Select the correct option



80



74



76



77

Question # 27 of 30 (Start time: 05:24:24 PM, 27 December 2020)

Coefficient of variation in case of discrete random variable equals to:

Select the correct option



$$C.V = (\mu/s) * 100$$



$$C.V = (\mu/\bar{X}) * 100$$



$$C.V = (s/\mu) * 100$$



$$C.V = (\bar{X}/\mu) * 100$$

Question # 28 of 30 (Start time: 05:25:58 PM, 27 December 2020)

The population about which information is sought is called

Select the correct option



Sampled Population



Sampling Frame



Target Population



Sampling Unit

Question # 29 of 30 (Start time: 05:26:14 PM, 27 December 2020)

An urn contain 10 articles, 2 having minor Defects and three have major defects. Determine the probability that an article selected at random has minor defect.

Select the correct option

 $1/2$  $1/3$  $1/4$  $1/5$

Question # 30 of 30 (Start time: 05:27:20 PM, 27 December 2020)

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

Select the correct option



Mean deviation



Quartile deviation



Standard deviation



None of these