

Question # 1 of 30 (Start time: 06:17:27 PM, 12 July 2020)

Total Marks: 1

The measure of Dispersion can never be:

Select the correct option

☐	Positive	//
☒	Negative	//
☐	0	//
☐	1	//



Click to Save Answer & Move to Next Question

Question # 2 of 30 (Start time: 06:19:09 PM, 12 July 2020)

Total Marks: 1

For a symmetrical data set mean value is 150 and standard deviation 25. 99.73 % (approximately all) values will lie between

Select the correct option

- | | | |
|----------------------------------|-----------|----|
| ☐ | (125,180) | // |
| ☒ | (125,175) | // |
| ☐ | (100,200) | // |
| ☐ | (75,225) | // |

[Click to Save Answer & Move to Next Question](#)

Question # 4 of 30 (Start time: 06:22:41 PM, 12 July 2020)

Total Marks: 1

If the sum of the reciprocal of the values of a data is 256.7 and $n=23$, then Harmonic mean will be:

Select the correct option

- | | | |
|-----------------------|--------|----|
| ☐ | 0.0789 | // |
| ☐ | 0.0569 | // |
| ☐ | 0.0895 | // |
| ☐ | 0.0624 | // |

[Click to Save Answer & Move to Next Question](#)

Question # 4 of 30 (Start time: 06:22:41 PM, 12 July 2020)

Total Marks: 1

If the sum of the reciprocal of the values of a data is 256.7 and $n=23$, then Harmonic mean will be:

Select the correct option

- | | | |
|----------------------------------|--------|----|
| ☐ | 0.0789 | // |
| ☐ | 0.0569 | // |
| ☒ | 0.0895 | // |
| ☐ | 0.0624 | // |

[Click to Save Answer & Move to Next Question](#)

Question # 5 of 30 (Start time: 06:24:23 PM, 12 July 2020)

Total Marks: 1

The degree of peakedness is called:

Select the correct option

☐	Symmetry	//
☐	Skewness	//
☐	Dispersion	//
☒	Kurtosis	//



Click to Save Answer & Move to Next Question

Question # 6 of 30 (Start time: 06:25:32 PM, 12 July 2020)

Total Marks: 1

Which of the rule is applied to any data set, regardless shape of the frequency distribution?

Select the correct option

☒	Chebychev's rule	//
☐	Empirical rule	//
☐	Combination rule	//
☐	Permutation rule	//



Click to Save Answer & Move to Next Question

Question # 7 of 30 (Start time: 06:26:54 PM, 12 July 2020)

Total Marks: 1

For empirical rule approximately all observations fall within

Select the correct option

[Reload Math Equations](#)

☐	$\bar{X} \pm 1\sigma$
☐	$\bar{X} \pm 2\sigma$
☒	$\bar{X} \pm 3\sigma$
☐	$\bar{X} \pm 0.5\sigma$

[Click to Save Answer & Move to Next Question](#)

Question # 8 of 30 (Start time: 06:28:27 PM, 12 July 2020)

Total Marks: 1

In regression analysis, the variable that is being predicted is the

Select the correct option

☒	Dependent variable	//
☐	Independent variable	//
☐	Intervening variable	//
☐	None of these	//



Click to Save Answer & Move to Next Question

Question # 9 of 30 (Start time: 06:30:06 PM, 12 July 2020)

Total Marks: 1

It is recommended that the number of classes in a frequency distribution be between:

Select the correct option

- | | | |
|----------------------------------|-----------|----|
| ☐ | 6 and 20 | // |
| ☐ | 10 and 20 | // |
| ☐ | 5 and 15 | // |
| ☒ | 5 and 20 | // |

Click to Save Answer & Move to Next Question

Question # 10 of 30 (Start time: 06:31:28 PM, 12 July 2020)

Total Marks: 1

The amount of hump of a distribution is called:

Select the correct option

☐	Skewness	//
☒	Kurtosis	//
☐	Symmetry	//
☐	Dispersion	//



Click to Save Answer & Move to Next Question

Question # 11 of 30 (Start time: 06:32:56 PM, 12 July 2020)

Total Marks: 1

Deviations taken from mean can be:

Select the correct option

☐	Postive	//
☐	Negative	//
☒	Both negative and Positive	//
☐	None of the above	//

Click to Save Answer & Move to Next Question

Question # 12 of 30 (Start time: 06:34:03 PM, 12 July 2020)

Total Marks: 1

If X_m is maximum and X_0 is minimum value in a data set then formula for co-efficient of dipersion is as:

Select the correct option

[Reload Math Equations](#)

☐	$\frac{X_m - X_0}{X_0 - X_m}$
☒	$\frac{X_m - X_0}{X_m + X_0}$
☐	$\frac{X_0 + X_m}{X_0 - X_m}$
☐	$\frac{X_m + X_0}{X_m - X_0}$

[Click to Save Answer & Move to Next Question](#)

Question # 13 of 30 (Start time: 06:35:44 PM, 12 July 2020)

Total Marks: 1

A sector diagram is also called:

Select the correct option

☐	Bar diagram	//
☐	Histogram	//
☐	Historigram	//
☒	Pie diagram	//



Click to Save Answer & Move to Next Question

Question # 14 of 30 (Start time: 06:36:54 PM, 12 July 2020)

Total Marks: 1

First moment about origin is always equal to:

Select the correct option

☐	Mean	//
☐	Variance	//
☐	Standard Deviation	//
☒	Zero	//

Click to Save Answer & Move to Next Question

Question # 15 of 30 (Start time: 06:37:52 PM, 12 July 2020)

Total Marks: 1

If $P(A \cap B) = P(A/B) \cdot P(B)$ then we can say that the events A and B are _____ .

Select the correct option

☐	Independent	//
☐	Dependent	//
☐	Equally Likely	//
☒	Mutually Exclusive	//



Click to Save Answer & Move to Next Question

Question # 16 of 30 (Start time: 06:39:31 PM, 12 July 2020)

Total Marks: 1

In case of a frequency distribution, the third quartile is given by the formula:

Select the correct option

☐	$l + \frac{h}{f} (3n/4 - c)$	//
☐	$l + \frac{h}{f} (n/2 - 3c)$	//
☐	$l + \frac{f}{h} (3n/4 - c)$	//
☐	$l + \frac{3f}{h} (n/4 - c)$	//

Click to Save Answer & Move to Next Question

Question # 17 of 30 (Start time: 06:41:21 PM, 12 July 2020)

Total Marks: 1

The arrangement of data in rows and columns is called:

Select the correct option

☐	Classification	//
☒	Tabulation	//
☐	Frequency distribution	//
☐	Cumulative frequency distribution	//

Click to Save Answer & Move to Next Question

Question # 18 of 30 (Start time: 06:42:05 PM, 12 July 2020)

Total Marks: 1

From the table given below, how many students obtained marks 80 or above:

Marks	f
50-59	5
60-69	8
70-79	7
80-89	5
90-100	3

Select the correct option

☐	15
☒	8
☐	5
☐	3

Question # 19 of 30 (Start time: 06:43:08 PM, 12 July 2020)

Total Marks: 1

Variance is expressed in units as the units of data set.

Select the correct option

☒	Squared	//
☐	Cube	//
☐	Single	//
☐	Same	//



Click to Save Answer & Move to Next Question

Question # 20 of 30 (Start time: 06:44:32 PM, 12 July 2020)

Total Marks: 1

In scatter diagram, the variable plotted along Y-axis is:

Select the correct option

☐	Independent variable	//
☒	Dependent variable	//
☐	Continuous variable	//
☐	Discrete variable	//

[Click to Save Answer & Move to Next Question](#)

Question # 21 of 30 (Start time: 06:46:13 PM, 12 July 2020)

Total Marks: 1

The chart which consists of horizontal or vertical bars of equal width and lengths proportional to values is called

Select the correct option

☐	Pie Chart	//
☐	Component Bar Chart	//
☒	Simple Bar Chart	//
☐	Multiple Bar Chart	//

[Click to Save Answer & Move to Next Question](#)

Question # 22 of 30 (Start time: 06:47:57 PM, 12 July 2020)

Total Marks: 1

Formula for Semi Interquartile Range is:

Select the correct option

[Reload Math Equations](#)

$$\frac{Q_3 - Q_1}{2}$$



$$\frac{Q_1 + Q_3}{2}$$



$$Q_1 - Q_3$$



$$\frac{Q_1 + Q_3}{2}$$

[Click to Save Answer & Move to Next Question](#)

Question # 23 of 30 (Start time: 06:49:20 PM, 12 July 2020)

Total Marks: 1

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

Select the correct option

☐	Mean deviation	//
☒	Quartile deviation	//
☐	Standard deviation	//
☐	None of these	//



Click to Save Answer & Move to Next Question

Question # 24 of 30 (Start time: 06:50:52 PM, 12 July 2020)

Total Marks: 1

The geometric mean of 4 and 16 is

Select the correct option

☒	8	//
☐	12	//
☐	16	//
☐	None of these	//

[Click to Save Answer & Move to Next Question](#)

Question # 25 of 30 (Start time: 06:51:59 PM, 12 July 2020)

Total Marks: 1

If a box contains two red and three green balls then probability of red balls will be equal to:

Select the correct option

☒	$\frac{2}{3}$	//
☐	$\frac{3}{4}$	//
☐	$\frac{2}{5}$	//
☐	$\frac{1}{5}$	//

[Click to Save Answer & Move to Next Question](#)

Question # 26 of 30 (Start time: 06:53:44 PM, 12 July 2020)

Total Marks: 1

One card is drawn at random from a pack of 52 cards. What is the probability that the card drawn is a face card (Jack, Queen and King only)?

Select the correct option

- | | | |
|----------------------------------|------|----|
| ☐ | 1/13 | // |
| ☐ | 3/13 | // |
| ☐ | 1/4 | // |
| ☒ | 9/52 | // |



Click to Save Answer & Move to Next Question

Question # 26 of 30 (Start time: 06:53:44 PM, 12 July 2020)

Total Marks: 1

One card is drawn at random from a pack of 52 cards. What is the probability that the card drawn is a face card (Jack, Queen and King only)?

Select the correct option

- | | | |
|----------------------------------|------|----|
| ☐ | 1/13 | // |
| ☐ | 3/13 | // |
| ☒ | 1/4 | // |
| ☐ | 9/52 | // |



Click to Save Answer & Move to Next Question

Question # 27 of 30 (Start time: 06:55:23 PM, 12 July 2020)

Total Marks: 1

A flight of migrating honeybees to America is an example of:

▶ Select the correct option

☐	Finite population	//
☐	Infinite population	//
☐	Hypothetical population	//
☐	None of these	//

Click to Save Answer & Move to Next Question

Question # 28 of 30 (Start time: 06:57:12 PM, 12 July 2020)

Total Marks: 1

Harmonic mean is the reciprocal of

Select the correct option

☒	Arithmetic mean	//
☐	Mode	//
☐	Geometric mean	//
☐	Median	//

Click to Save Answer & Move to Next Question

Question # 28 of 30 (Start time: 06:57:12 PM, 12 July 2020)

Total Marks: 1

Harmonic mean is the reciprocal of

Select the correct option

☒	Arithmetic mean	//
☐	Mode	//
☐	Geometric mean	//
☐	Median	//



Click to Save Answer & Move to Next Question

Question # 29 of 30 (Start time: 06:58:14 PM, 12 July 2020)

Total Marks: 1

From the following table, what is lower class boundry when mode is calculated?

Class Boundaries	Frequency
20 - 30	8
30 - 40	7
40 - 50	10
50 - 60	40
60 - 70	11

Select the correct option

- | | | |
|----------------------------------|----|----|
| ☐ | 10 | // |
| ☒ | 40 | // |
| ☐ | 50 | // |
| ☐ | 11 | // |

Question # 30 of 30 (Start time: 06:59:42 PM, 12 July 2020)

Total Marks: 1

According to Empirical rule, approximately 95% of the measurements will fall within:

Select the correct option

- | | | |
|----------------------------------|------------------------|----|
| ☐ | (Mean-S.D, Mean+S.D) | // |
| ☒ | (Mean-2S.D, Mean+2S.D) | // |
| ☐ | (Mean-3S.D, Mean+3S.D) | // |
| ☐ | None of these | // |

[Click to Save Answer & Move to Next Question](#)