CLASSIC STUDY ONE OF THE BEST ONLINE STUDY PLAT FORM

Name of Student	Class	Subject	Board	Chapter
	10th	Mathematics	FB	6
Date :	Objective			Teacher Remarks

Section - A

Q. No.1:- Circle the correct option. Each part carries one mark.

i	A grouped frequency table is also called:							
a	Polygon	b	Histogram	c	Frequency distribution	d	None of these
ii	Median of 79,82,86,92,93:							
a	82	b	86	c	93	d	79
iii	$\widetilde{X}$ is used to represent:							
a	Mean	b	Mode	c	Median	d	G.M
iv	Most frequent observation in data is called:							
a	Mean	b	Median	c	Mode	d	None of these
v	H.M of 12,5,8,4 is:							
a	4	b	6.076	c	5.607	d	3.999
vi	Sum of deviations of data from its Mean is always:							
a	0	1	1	c	100	10	10
vii	G.M of 2,4,8 is:							
a	2	b	4	c	8	D	64
viii	Formula of weighted is:							
a	$\overline{X} = \frac{\Sigma x}{n}$	b	$\overline{X}w = \frac{\Sigma wx}{\Sigma w}$	c	Both	d	None of these
ix	Formula of Mode of grouped data is:							
a	$\overline{X} = \frac{\Sigma x}{n}$	b	$\widetilde{X} = l + \frac{h}{f}\left(\frac{n}{2} - \right)$	c	$\hat{X} = l + \frac{fm-fi}{2fm-f1-f}$	d	None of these
x	A many sided closed figure is called:							
a	Polygon	b	Histogram	c	Line segment	d	All of these
xi	Mean is affected by change in:							
a	Value	b	Ratio	c	Origin	d	No change
xii	The observation that divides data into four equal parts:							
a	Deciles	b	Quartiles	c	Percentiles	d	None of these
xiii	The extent of variation between two extreme observations of data is measured by:							
a	Mean	b	Median	c	Range	d	Percentiles
xiv	The lower class 0f 0-4 is:							
a	3.5	b	4.5	c	0.5	d	-0.5
xv	Midpoint of interval 10-15 is:							
a	10.5	b	12.5	c	15.5	d	50.5

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Section - B

Q. No.2:- Attempt any twelve questions. All questions carry equal marks.

1. Make discrete frequency distribution of 3, 3, 2, 3, 3, 5, 2, 2, 2, 1, 1, 2, 1, 4, 2, 2, 3, 3, 4 and 2.

2. Find Mean of 11500, 12400, 15000, 14500 and 14800.

3. Find median of 2, 3, 2.7, 2.5, 2.9, 3.1, and 1.9.

4. Write formulas for median, Mode and Mean of grouped data.

5. Find G.M of 2, 4 and 8 by basic formula?

6. Find H.M of 12, 5, 8 and 4?

7. Write two properties of Mean?

8. Varience of data is 16. Find its standard deviation?

9. Find range of data 110, 109. 84, 89, 77, 104, 74, 97, 49, 59, 103 and 62.

10. Define frequency distribution?

11. Find Mode of discrete data?

X(number of heads)	1	2	3	4	5
F(number of times)	3	8	5	3	1

12. Find Mean of 30, 30, 30, 30, 30 and 30?

13. Calculate moving average for three years.

Years	2001	2002	2003	2004	2005
Value	102	108	130	140	158

14. Define varience?

15. Find Mode of 3,2,15,4,9,8,2,7,5,2.6.9.8.6.4.3.10,11,15,12,13,14,9 and 8.

Section – C

Note: Attempt only three questions. All question carry equal marks.

Q. No.3:-Find standard deviation of 9, 3, 8, 8, 9, 8, 9 and 18?

Q. No.4:-Make continuous frequency distribution of data by taking h = 10, 51, 55, 32, 41, 22, 30, 35, 53, 30, 60, 59, 15, 7, 18, 40, 49, 40, 25, 14, 18, 19, 2, 43, 22, 39, 26, 34, 19, 10,17, 47, 38, 13, 30, 34, 54, 10, 21, 51 and 52.

Q. No.5:-Find harmonic Mean of data

Classes	33-40	41-50	51-60	61-70	71-75

Frequency	28	31	12	9	5

Q. No.6:-Find Mean and Mode of data

Class interval	1-3	4-6	7-9	10-12	13-15	16-18	19-21
Frequency	2	3	5	4	6	2	1