1)	Find arithmetic mean using step-deviation method for the following data also write any three											
	merits of A.M.											
	Wages :	0-10	10-20	20-30	30-40	40-50	50-60	60-70	70-80			
	Frequency :	1	4	10	22	30	35	10	8			
2)	Calculate Arithmetic	mean f	or the gi	iven dat	a:							
	Wages in (Rs.) :	20-40		40-60		60-80		80-100	) 10	0-120		
	No. of worker :	10		18		23		14	10			
3)	An analysis of the m	onthly v	vages pa	aid to th	e worke	ers in tw	o firms	A and	B, belongin	g to the		
	same industry gives	the follo	wing re	sult.					0/			
					А			В	$\langle \rangle$			
	No. of worker	rs			550			650	650			
	Average mon	thly wag	ges		500 450							
	Find the combine mean of all 1200 workers of the firm taken together.											
4)	Calculate Arithmetic	mean f	or the gi	iven dat	a:	$\mathbf{X}$						
	X : 3	4	6	10	12	13						
	f : 12	11	15	16	19	17						
5)	Find median for the	followin	g data.	$\langle \rangle$								
	C-I	0-5	5-1	0	10-1	5	15-20	C	20-25			
	Frequency	15	23	3	25		22		10			
		$\mathcal{O}$ )										
6)	Find median for the	followin	g data.									
	A. 12, 30, 20, 15, 10	), 35, 58										
B. 101, 150, 100, 129, 150, 145, 180, 250, 100, 105, 110, 128												
7)	Calculate the mode f	for the gi	iven dat	a:								
	Marks	:	20-30	30-40	40-50	50-60	60-70	70-80				
	No. of students	:	5	18	22	20	16	10				
8)	The mean of 16 item	s was fo	und to l	he 30_C	)n reche	ecking i	it was fo	ound the	at two items	were		

8) The mean of 16 items was found to be 30. On rechecking, it was found that two items were wrongly taken as 22 and 18 instead of 32 and 28 respectively. Find the correct mean.

- 9) The mean of 40 numbers was found to be 38. Later on, it was detected that a number 56 was misread as 36. Find the correct mean of given numbers.
- **10**) Calculate mode from the following data:

of Students

Marks	No.		
Below 10	4		
·' 20	6		
·' 30	24		
·' 40	46		
·' 50	67		
·' 60	86		
·' 70	96		
·' 80	99		
·' 90	100		

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11) The following table gives you the distribution of marks secured by some students in an examination: Find D<sub>2</sub> and P<sub>5</sub>

Marks	No.	of Students
0—20	42	
21—30	38	
31—40	120	
41—50	84	
51—60	48	
61—70	36	
71—80	31	()

- **12)** In a moderately skewed distribution, if the value of the mean is 5 and the median is 6, determine the value of the mode.
- **13**) If median = 16, mode = 20. Find the mean.

14) Compute the geometric mean of the following distribution:

Marks	:	0-10	10-20	20-30	30-40	40-50
No. of Student	s:	5	15	25	35	45

**15)** Find the harmonic mean of the following distribution:

Х	:	11	12	13	14	15	16
F	:	3	7	8	5	2	1