

Class : XIth Date : Subject : MATHS DPP No. : 8

Topic :- STATISTICS

1.	The means of a set of numbers is \overline{X} . If each number is divided by 3, then the new mean is					
	a) X	b) \overline{X} +3	c) 3 X	d) $\frac{x}{3}$		
2.	The variance of the data 2, 4, 6, 8, 10 is					
	a) 6	b)7	c) 8	d) None of these		
3.	3. If the sum of 11 consecutive natural numbers is 2761, then the middle number is					
	a) 249	b) 250	c) 251	d) 252		
4.	If the two lines of reg	gression are $4x + 3y +$	-7 = 0 and $3x + 4y +$	8 = 0, then the means		
of x and y are						
	$a) - \frac{-4}{-11}$	b) $\frac{-4}{7},\frac{11}{7}$	c) $\frac{4}{7} - \frac{-11}{7}$	d) 4 7		
F						
5.						
is	a) $\overline{X} - k$	$h n \overline{K} k$	c) $\overline{X} - n k$	d) $n \overline{X} - n k$		
6.	The 7th percentile is e	,	C J X - h K	u)		
0.	a) 7th decile	b) Q_3	c) 6th decile	d)None of these		
7.	,	is not a measure of cent		a judic of these		
7.	a) Mean	b) Median	c) Mode	d)Range		
8.	The median can graph	-	c) Moue	uj Kalige		
0.	a) Ogive		c) Frequency curve	d) None of these		
9.	, .	on is 45. If it was later fo	· · ·			
		and 13. The correct mea		Sils 17 and 51 were		
me	a) 44	b)45	c) 44.46	d)45.54		
10			,			
10. If the regression coefficients are 0.8 and 0.2, then the value of coefficient of correlation is						
15	a) 0.16	h)04	c) 0.04	d)0.164		
11			CJ 0.04	u)0.104		
11.	1. The arithmetic mean of ${}^{n}C_{0}$, ${}^{n}C_{1}$, ${}^{n}C_{2}$,, ${}^{n}C_{n}$, is					
	a) $\frac{2^n}{n}$	b) $\frac{2^n-1}{n}$	c) $\frac{2^n}{n+1}$	$d)\frac{2^{n-1}}{n+1}$		
12.	12. If there exists a linear statistical relationship between two variable <i>x</i> and <i>y</i> , then the					
regression coefficient of yon x is						
	a) $\frac{cov(x,y)}{\sigma_x \sigma_y}$	b) $\frac{cov(x,y)}{\sigma_y^2}$	c) $\frac{cov(x,y)}{\sigma_x^2}$	d)None of these		
		<i>y</i>	- 1	2		
13. Mean marks scored by the students of a class is 53. The mean marks of the girls is 55						
and the mean marks of the boys is 50. What is the percentage of girls in the class?						
	a) 60%	b)40%	c) 50%	d)45%		

14. The mean age of a combined group of men and women is 25 yr. if the mean age of the group of men is 26 and that of the group of women is 21, then the percentage of men and women in the group is

women in the grt	Jup 13					
a) 46, 60	b) 80, 20	c) 20, 80	d)60,40			
15. The best statis	5. The best statistical measure used for comparing two series is					
a) Mean deriva	ation	b) Range				
c) Coefficient o		d) None of these				
16. If the mean of <i>n</i> observations 1^2 , 2^2 , 3^2 ,, n^2 is $\frac{46n}{11}$, then <i>n</i> is equal to						
a) 11	b) 12	c) 23	d)22			
17. A batsman scores runs in 10 innings as 38, 70, 48, 34, 42, 55, 63, 46, 54 and 44. The mean						
deviation about mean is						
a) 8.6	b) 6.4	c) 10.6	d)7.6			
18. The intersecting point of two regression lines is						
a) (x ,0)	b) (0, <u>y</u>)	c) (b_{xy}, b_{yx})	d) $(\overline{x}, \overline{y})$			
19. If the values of regression coefficients are -0.33 and -1.33, then the value of coefficients						
of correlation between the two variables, is						
a) 0.2	b)-0.66	c) 0.4	d)-0.4			
20. In a bivariate data $\Sigma x = 30$, $\Sigma y = 400$, $\Sigma x^2 = 196$, $\Sigma xy = 850$ and $n = 10$. the regression						
coefficient of y on x is						
a) -3.1	b)- <mark>3.2</mark>	c) -3.3	d)-3.4			
,		,	5			