Name: Sidul Islam Sohas Senial-16 Id: 20-42668-1 Section: 0

Class	Fixiqueney (f)	Mid value	fin	flogx	fn	ル,・-又 (n= <u>75</u> =375)	f. [n, n]	f(n,-n)2
1-2	1	1.2	15	0.176	0.00	-2:25	2:25	5.06
2-3	3	2'5	7.5	1.194	1'2	-1.25	3.75	4.87
3-4	8	3.2	28	4.352	2'2%	-0.25	5-2	0.5
4-5	6	4.5	27	3.919	1.33	0.75	4.5	3.375
5-6	2	5.5	11	1.48	638	1'75	3.5	6.125
Total	20(2)		75	11/12	5'87		16	19.75

$$\frac{275}{20} = 3.75$$

a) anithmetic mean, AM=
$$\frac{1}{2} \leq \frac{n}{20} = 3.75$$

Antilog ($\frac{1}{2} \leq \frac{n}{20} = 3.75$)

Geometric mean, GiM= Antilog ($\frac{1}{2} \leq \frac{n}{1} \leq \frac{n$

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6. 1.	b)	class	Friequency (f)	Comulative	(M)	(4)	46.						
200		952 5	1 1000	ान ले	<u>-</u>		5=1						
£8.	1 6	F2-3 d	513 51	0425	5.2	Σ.	2-3						
6.2		3-4	2 2 2 2 8 8 0 2	E. 4 Z85	₫,ᢓ	8	7-5						
375	- 4	4-5	E. 46 EE1 1	10-18 FS	9.17	2	4-15						
125				8120M	g.8	2	9-6						
375		21		75 11112		20(5)	Total						
	a) anithmetic mean, AM=#2 fixing												
	$= 3 + \frac{20/2 - 4}{20/2} \times 1 = 3.75$												
		3775 = 3.75											
(in Co	Mode = 1 + fm - fat Xh 2fm - fit fz 12fm - fit fz												
(mile				× .	A 10 1 3	EOME	自命						
	(=====================================												
	= 3.71 c)As Mean > Median > Mode,												
	1	Man	n) Medi	an > M	ode,	(to	47						
	C)t)s mea		5 / 111	THE SIM) IN ON	Holl						
	7	f is	Posit	IV/X S	Kewe	2).							
		1 /	* 1	- •	,								

d) Mean deviation, MD= 1 Enfilhian 8.0 = B= 34v16/10 of 5= {5, 10, 15, 20} e) Vanjence, $67 = \frac{1}{n} \le n f(x_i - x_i)^2 = \frac{55.62}{20}$ standard deviation, 6 = Variance 25=0+31=3+100=1+12.78)=1.66=(Ans) f) coefficent of variation cv = x100 = 1'66 X100 = 27 Ans. =44.273.3/ Total manumber of balls= 37+5+6= 15 Probability of setting allied = 15, -

311 Let, A= multiple of 3={3,6,9,12,15,18} 8:0 B= multiple of 5= 25, 10, 15, 203 : P(A) = 6 . P(B) = 20 : ANB = {15} · P(AUB) = 6 + 4 = -\frac{1}{20} = \frac{20}{20} Ans 3-21 Total Students = 15+0=25 Probability of selecting 1 ginl and

2001x 2001 - 2001 - 25c, x 15c, 2 (1) 1.00 × 100 $=\frac{27}{46}$ Ans, 3.31 Total manumber of balls=164+5+6=15 Probability of getting all red = 503 Ans

a)
$$\frac{5c_4}{11c_4} = \frac{1}{16}$$

3:41 Total engineers = 5+6=11

a)
$$\frac{5c_4}{11c_4} = \frac{1}{16}$$
b) $\frac{5c_2}{11c_4} = \frac{6c_2}{11} = \frac{5}{11}$ Ans,

End.