	A	B	C	D	E	F	G	H	I	J	K
1	From the given data compute first four central moments . Also , compute measures of central tendency ,										
2	Measures of dispersion , Skewness and Kurtosis and intrepret the result.										
3	Marks	25	30	35	40	45	50				
4	No.of stude	4	25	35	22	11	3				
5											
6	x	f	f*x	(x-x*)	f*(x-x*)	f*(x-x*)^2	f*(x-x*)^3	f*(x-x*)^4			
7	25	4	100	-11	-44	484	-5324	58564			
8	30	25	750	-6	-150	900	-5400	32400			
9	35	35	1225	-1	-35	35	-35	35			
10	40	22	880	4	88	352	1408	5632			
11	45	11	495	9	99	891	8019	72171			
12	50	3	150	14	42	588	8232	115248			
13		100	3600	9	0	3250	6900	284050			
14	**Mean =**	**36**	**=C13/B13**								
15											
16	**For first four Central moments**										
17	**For**	**Value**	**Formula**		**For**	**Value**	**Formula**				
18	μ_1 =	0	=E13/B13		Mean =	36	=B14				
19	μ_2 =	32.5	=F13/B13		S.D. =	5.70088	=SQRT(B19)				
20	μ_3 =	69	=G13/B13		β_1 =	0.13869	=B20^2/B19^3				
21	μ_4 =	2840.5	=H13/B13		β_2 =	2.68923	=B21/B19^2				
22											
23											
24							NAME:-Kishor Neupane				
25							Roll no:-8130030				