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MATRIC No: 19/ENCO11001

C-I	f <sub>i</sub>	x	f <sub>i</sub> x	(x - $\bar{x}$ )	(x - $\bar{x}$ ) <sup>2</sup>	f(x - $\bar{x}$ ) <sup>2</sup>
1-5	0	3	0	14.83	219.93	0
6-10	7	8	56	9.83	96.63	676.41
11-15	10	13	130	4.83	23.33	233.30
16-20	2	18	36	0.17	0.03	0.06
21-25	1	23	23	5.17	26.73	26.73
26-30	5	28	140	10.17	103.43	517.15
31-35	4	33	132	15.17	230.13	920.52
	29		517			2374.14

$$\text{Mean}(\bar{x}) = \frac{\sum f_i x}{\sum f_i}$$
$$= \frac{517}{29}$$

$$= 17.83$$
$$S.D. = \sqrt{\frac{\sum f_i (x - \bar{x})^2}{\sum f_i}}$$
$$= \sqrt{\frac{2374.14}{29}}$$
$$= \sqrt{81.87}$$
$$= 9.05$$

$$C.V. = \frac{S.D.}{\bar{x}} \times 100$$
$$= \frac{9.05}{17.83} \times 100$$
$$= 50.76$$