

Q.18 Stem & leaf plot

$n = 20$

1.	0							
2.	3	4	6	8	8	9		
3.	0	5	6	8 6	9			
4.	4	5	8	0				
5.	0	2	5					
6.	2	7						

Q.19 Chebyshev's

$$\text{Mean} = 75$$

$$\text{varianca} = 25$$

$$\text{Std. dev.} = \sqrt{25} = 5$$

Rang:- $[65 \ 85]$

$$= \frac{(65 - 75)}{5} = \frac{10}{5} = 2$$

As per chebyshev's

$$|f|_K \leq \frac{1}{K^2} = \frac{1}{2^2} = \frac{1}{4} = 0.25$$

Ans:- 0.25