

Q4)

Mode -

~~14, 14, 14, 14, 17, 18~~

14, 14, 14, 14, 17, 18, 18, 18, 23, 23, 25, 28

Mode = 14.

Salary:	Number of workers	$f_i x_i$
3000	16	48,000
4000	12	48,000
5000	10	50,000
6000	8	48,000
7000	6	42,000
8000	4	32,000
9000	3	27,000
10,000	1	10,000
Total:	$\sum f_i = 60$	$\sum f_i x_i = 3,05,000$

$$\bar{x}(\text{mean}) = \frac{\sum f_i x_i}{\sum f_i} = \frac{3,05,000}{60} = \underline{\underline{5083.33}}$$

Q6) p) Mean marks obtained in the examination
 q) Runs scored by Mahendra Singh Dhoni
 in 7 matches are,

39, 51, 56, 102, 83, 48, 91

Here,

$$\text{Mean} = \frac{(39 + 51 + 56 + 56 + 102 + 83 + 48 + 91)}{7}$$

$$= 67.1$$

Median: $\left(\frac{n+1}{2}\right)^{\text{th}}$ observation

$$= \left(\frac{7+1}{2}\right)^{\text{th}}$$

$$= \frac{8}{2} \text{th observation}$$

$$= 56.$$