



### Exercise 14E

Question 5:

Mean salary of 20 workers = Rs.7650

Total salary of 20 workers = Rs (7650 x 20) = Rs. 153000.

Now if managers salary is added mean becomes Rs. 8200

∴ Total salary of 20 workers + manager's salary= Rs.(8200 x 21)  
= Rs. 172200

∴ Manager's salary per month

= Total salary of 20 workers and the Manager - Total salary of 20 workers

= Rs(172200 - 153000)

= Rs.19200

Question 6:

Mean monthly wage of 10 persons = Rs.9000

Total monthly wage of 10 persons= Rs (9000 x 10)

= Rs. 90000

New mean monthly wage

$$= \frac{[(\text{total monthly wage of 10 persons}) - (\text{wages of worker who left}) + (\text{wages of worker who joined})]}{10}$$

$$= \frac{\text{Rs. 90000} - \text{Rs. 8100} + \text{Rs. 7200}}{10}$$

$$= \text{Rs.} \left( \frac{89100}{10} \right) = 8910$$

∴ The new monthly average wage = Rs 8910

\*\*\*\*\* END \*\*\*\*\*