- ○ Your Answer :
- ○ Correct Answer : B

- ○ **Answer Justification :**

Justification:

In 1984, the average age of 100 employees = 50 + 2 = 52 years.

In 1984, the total of ages of 100 employees = 52 × 100 = 5200 years.

In 1984, when 20 employees retire at the age of 60, the total of ages of remaining 80 employees = 5200 – 20 × 60

= 5200 – 1200

= 4000 years

In 1984, the average age of remaining 80 employees = 4000/80 = 50 years

In 1987, the average age of remaining 80 employees = 50 + 3 = 53 years

In 1987, the total of ages of remaining 80 employees = 53 × 80 = 4240 years.

In 1987, the total of ages of 40 new employees = 38 × 40 = 1520 years.

In 1987, the total of ages of all 120 employees = 4240 + 1520 = 5760 years.

In 1987, the average age of all 120 employees = 5760/120 = 48 years.

In 1990, the average age of all 120 employees = 5760/120 = 48 + 3 = 51 years.

24 The average expenditure of Rakesh for the January to June is Rs.4200 and he spends Rs.1200 in January and Rs.1500 in July. The average expenditure for the months of February to July is:

   A. Rs.4250 ✅
   B. Rs.4520
   C. Rs.4060
   D. None of the above

- ○ Your Answer :
- ○ Correct Answer : A

- ○ **Answer Justification :**

Justification:

Total expenditure of Rakesh from January to June = 4200 × 6 = Rs.25200

Total expenditure from February to July