



Compound Interest Ex 14.5 Q5

**Answer :**

$$\text{Purchase price} = P \left( 1 - \frac{R}{100} \right)^{-n}$$

$$\Rightarrow 43,740 \left( 1 - \frac{10}{100} \right)^{-3}$$

$$= 43,740(0.90)^{-3}$$

$$= 60,000$$

Thus, the purchase price of the machine was Rs 60,000.

Compound Interest Ex 14.5 Q6

**Answer :**

$$\text{Purchase price} = P \left( 1 - \frac{R}{100} \right)^{-n}$$

$$\Rightarrow 9,680 \left( 1 - \frac{12}{100} \right)^{-2}$$

$$= 9,680(0.88)^{-2}$$

$$= 12,500$$

Thus, the purchase price of the refrigerator was Rs 12,500.

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