



Compound Interest Ex 14.1 Q14

**Answer :**

$$\begin{aligned}A &= P \left(1 + \frac{R}{100}\right)^n \\&= 12,000 \left(1 + \frac{5}{100}\right)^3 \\&= 12,000(1.05)^3 \\&= 13,891.50\end{aligned}$$

Thus, the required amount is Rs 13,891.50.

Now,

$$\begin{aligned}CI &= A - P \\&= \text{Rs } 13,891.50 - \text{Rs } 12,000 \\&= \text{Rs } 1,891.50\end{aligned}$$

Compound Interest Ex 14.1 Q15

**Answer :**

$$\begin{aligned}A &= P \left(1 + \frac{R}{100}\right)^n \\&= 40,000 \left(1 + \frac{7}{100}\right)^2 \\&= 40,000(1.07)^2 \\&= 45,796\end{aligned}$$

Thus, the required amount is Rs 45,796.

Now,

$$\begin{aligned}CI &= A - P \\&= \text{Rs } 45,796 - \text{Rs } 40,000 \\&= \text{Rs } 5,796\end{aligned}$$

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