



Compound Interest Ex 14.5 Q3

Answer :

Given :

P = Rs 64,000

R = 5% for every six months

Value of the plot after two years = $P\left(1 + \frac{R}{100}\right)^n$

$$\Rightarrow 64,000\left(1 + \frac{5}{200}\right)^4$$

$$= 64,000(1.025)^4$$

$$= 706,440.25$$

Thus, the value of the plot after two years will be Rs 706,440.25.

Compound Interest Ex 14.5 Q4

Answer :

Value of the house after three years = $P\left(1 - \frac{R}{100}\right)^n$

$$\Rightarrow 30,000\left(1 - \frac{25}{100}\right)^3$$

$$= 30,000(0.75)^3$$

$$= 12,656.25$$

Thus, the value of the house after three years will be Rs 12,656.25.

***** END *****