Compound Interest Ex 14.5 Q3

Answer :

Given :

$P = \text{Rs } 64,000$

$R = 5\%$ for every six months

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

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

$= 64,000(1.025)^4$

$= 706,440.25$

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

Compound Interest Ex 14.5 Q4

Answer :

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

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

$= 30,000(0.75)^3$

$= 12,656.25$

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

********** END **********