Compound Interest Ex 14.3 Q27

Answer :

$$A = P\left(1 + \frac{R}{100}\right)^n$$

$$45,582.25 = P\left(1 + \frac{27}{400}\right)^2$$

$$P(1.0675)^2 = 45,582.25$$

$$P = \frac{45,582.25}{1.13955625}$$

$$P = 40,000$$

Thus, the required sum is Rs $40,000$.

Compound Interest Ex 14.3 Q28

Answer :

$$A = P\left(1 + \frac{R}{100}\right)^n$$

$$453,690 = P\left(1 + \frac{6.5}{100}\right)^2$$

$$P(1.065)^2 = 453,690$$

$$P = \frac{453,690}{1.134225}$$

$$P = 400,000$$

Thus, the required sum is Rs $400,000$.

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