

Solutions by Dev Anoop (Bathinda)

⑧ Money lent (P) = Rs 65536, $t = 2$ years, $r = \frac{25}{2}\%$ p.a

$$\text{amount} = P \left(1 + \frac{r}{100}\right)^n$$

$$= 65536 \left(1 + \frac{25}{2}\right)^2$$

$$= 65536 \times \frac{225}{200} \times \frac{225}{200}$$

$$= \text{Rs } 82944$$

$P = \text{Rs } 65536$, $t = 2y = 4 \text{ h.y}$, $r = \frac{25}{4}\%$ p.a

$$\text{amount} = 65536 \times \frac{425}{400} \times \frac{425}{400} \times \frac{425}{400} \times \frac{425}{400}$$

$$= \text{Rs } 83521$$

$$\begin{array}{r} \text{diff.} = 83521 \\ - 82944 \\ \hline \text{Rs } 577 \end{array}$$