⑤ Money invested (P) = Rs 60,000

rate = 12% p.a = 6% half yearly

time = 6 months $\therefore n = 1$

amount vasudevan gets after 6 months $= P\left(1 + \frac{r}{100}\right)^n$

$= 60000\left(1 + \frac{6}{100}\right)^1$

$= 60000 \times \frac{106}{100}$

$= Rs\ 63600$

time = 1 year $\therefore n = 2$

amount vasudevan gets after 1 year $= P\left(1 + \frac{r}{100}\right)^n$

$= 60000\left(1 + \frac{6}{100}\right)^2$

$= 60000 \times \frac{106}{100} \times \frac{106}{100}$

$= Rs\ 67416$