

Interest compounded half yearly in this case means 5% interest at intervals of 6 months or turner in a year effective interest rate = $A + B + \frac{AB}{100}$

$$5 + 5 + \frac{5 \times 5}{100} = 10.25\%$$

$$SI = 10\%$$

Difference is 0.25% and is given as Rs 25

$$\Rightarrow \frac{0.25}{100} \times s = 25$$

$$\Rightarrow s = 25 \times \frac{100}{0.25} = \text{Rs}10000$$

Check :-

SI on 10,000@10% Rs1000

CI on 10,000@10% compounded half yearly =

Rs1025

difference = Rs25