

9(6) Principal = Rs 7500, rate = 5% p.a,
time = 3 years

$$\begin{aligned}
 \text{amount paid} &= \frac{PRT}{100} + P \\
 &= P \left(\frac{RT}{100} + 1 \right) \\
 &= 7500 \left(\frac{5 \times 3}{100} + 1 \right) \\
 &= 7500 \left(\frac{15 + 100}{100} \right) \\
 &= 75 \times 115 \\
 &= \text{Rs } 8625.00
 \end{aligned}$$

10) Principal = Rs 56000, S.I = Rs 280
time = 2 years

$$S I = \frac{PRT}{100}$$

$$280 = \frac{56000 \times r \times 2}{100}$$

$$\Rightarrow r = \frac{280}{560 \times 2}$$

$$\Rightarrow \text{rate} = \frac{1}{4} \% \text{ per annum}$$