(6) Money borrowed (P) = Rs 80,000
rate (R) = 10% p.a.
time (n) = $1\frac{1}{2}$ years

(i) amount $= P\left(1+\frac{R}{100}\right)^{1}\left(1+\frac{R/2}{100}\right)^{1}$

$= 80000\left(1+\frac{10}{100}\right)\left(1+\frac{5}{100}\right)$

$= \cancel{80000} \times \frac{110}{\cancel{100}_{1}} \times \frac{105}{\cancel{100}_{1}}$

$=$ Rs 92400

(ii) rate (R) = 10% p.a = 5% half yearly
time (n) = $1\frac{1}{2}$ years = 3 half years

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

$= 80000\left(1+\frac{5}{100}\right)^{3}$

$= \overset{2}{\cancel{80000}} \times \frac{105}{\cancel{100}_{1}} \times \frac{\overset{21}{\cancel{105}}}{\cancel{100}_{1}} \times \frac{\overset{21}{\cancel{105}}}{\cancel{100}_{1}}$

$=$ Rs 92610

Required difference $= 92610 - 92400$
$=$ Rs 210