

## Solutions by Dev Anoop (Bathinda)

- ⑧ Money borrowed (P<sub>1</sub>) = Rs 16000  
 rate = 10% pa = 5% half yearly  
 time = 1½ years = 3 half years

$$CI_1 = \frac{P_1 r t}{100} = \frac{16000 \times 5 \times 1}{100}$$

$$= Rs 800$$

$$P_2 = 16000 + 800$$

$$= Rs 16800$$

$$CI_2 = \frac{P_2 r t}{100} = \frac{16800 \times 5 \times 1}{100}$$

$$= Rs 840$$

$$P_3 = 16800 + 840$$

$$= Rs 17640$$

$$CI_3 = \frac{P_3 r t}{100} = \frac{17640 \times 5 \times 1}{100}$$

$$= Rs 882$$

amount paid to discharge debt

$$= P_3 + CI_3$$

$$= 17640 + 882$$

$$= Rs 18522$$