

$$\textcircled{2} \quad P_1 = \text{Rs } 15625$$

time = 3 years, rate = 12% p.a

$$I_1 = \frac{prt}{100} = \frac{15625 \times 12 \times 1}{100}$$
$$= \text{Rs } 1875$$

$$P_2 = 15625 + 1875$$
$$= \text{Rs } 17500$$

$$I_2 = \frac{17500 \times 12 \times 1}{100}$$
$$= \text{Rs } 2100$$

$$P_3 = 17500 + 2100$$
$$= \text{Rs } 19600$$

$$I_3 = \frac{19600 \times 12 \times 1}{100}$$
$$= \text{Rs } 2352$$

$$\text{CI for 3 years} = 1875 + 2100 + 2352$$
$$= \text{Rs } 6327$$

amount

$$= 15625 + 6327$$
$$= \text{Rs } 21952$$