

$$\text{Goodwill} = \text{Super Profit} \times \frac{100}{\text{Normal Rate of Return}}$$

Super Profit = Average Profit – Normal profit

$$\text{Normal Profit} = 16,00,000 \times 10\% = ₹ 1,60,000$$

$$\text{Super Profit} = 2,00,000 - 1,60,000 = ₹ 40,000$$

$$\text{Goodwill} = \text{Super Profit} \times \frac{100}{\text{Normal Rate of Return}} = 40,000 \times \frac{100}{10} = ₹ 4,00,000$$

