

VIII, ex 11C, Page 5

Solutions by Dev Anoop (Bathinda)

Money deposited (P) = Rs 32000

⑨ rate = 5% p.a = $\frac{5}{4}$ % quarterly

time = 6 months = 2 quarters

$$\text{amount} = P \left(\frac{100 + r\%}{100} \right)^n$$

$$= 32000 \left(\frac{100 + \frac{5}{4}}{100} \right)^2$$

$$= 32000 \times \frac{405}{400} \times \frac{405}{400}$$

$$= \text{Rs } 32805$$

⑩ amount borrowed (P) = Rs 390625

rate = 16% p.a = 4% quarterly

time = 1 year = 4 quarters

$$\text{amount} = 390625 \left(\frac{100 + 4}{100} \right)^4$$

$$= 390625 \times \frac{104}{100} \times \frac{104}{100} \times \frac{104}{100} \times \frac{104}{100}$$

$$= \text{Rs } 456976$$