

## Solutions by Dev Anoop (Bathinda)

(16)  $A = \text{Rs } 10240$ , time = 2 years, rate =  $\frac{20\%}{3}$  p.a

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

$$10240 = P \left(1 + \frac{20}{300}\right)^2$$

$$10240 = P \left(\frac{320}{300}\right)^2$$

$$\Rightarrow P = \frac{10240 \times 300 \times 300}{320 \times 320}$$

$$\Rightarrow P = 300 \times 3 \times 10$$

$$= \text{Rs } 9000$$

(17)  $A = \text{Rs } 21296$ , time = 3 y,  $r = 10\%$  p.a

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

$$21296 = P \left(1 + \frac{10}{100}\right)^3$$

$$16 = P \left(\frac{11}{10}\right)^3$$

$$\Rightarrow P = \frac{21296 \times 1000}{11 \times 11 \times 11}$$

$$\Rightarrow P = \text{Rs } 16000$$