

$$① i \text{ CP} = \text{Rs } 950, g\% = 6$$

$$\begin{aligned} \text{SP} &= \frac{100 + g\%}{100} \times \text{CP} \\ &= \frac{106}{100} \times 950 \\ &= \text{Rs } 1007 \end{aligned}$$

$$1 \text{ (ii)} \text{ CP} = \text{Rs } 9600, g\% = \frac{50}{3}$$

$$\begin{aligned} \text{SP} &= \frac{100 + g\%}{100} \times \text{CP} \\ &= \frac{100 + \frac{50}{3}}{100} \times 9600 \\ &= \frac{350}{300} \times 9600 \\ &= \text{Rs } 11200 \end{aligned}$$

$$1 \text{ (iii)} \text{ CP} = \text{Rs } 1540, l\% = 4$$

$$\begin{aligned} \text{SP} &= \frac{100 - l\%}{100} \times \text{CP} \\ &= \frac{96}{100} \times 1540 \\ &= \text{Rs } 1478.40 \end{aligned}$$

$$1 \text{ (iv)} \text{ CP} = \text{Rs } 8640, l\% = \frac{25}{2}$$

$$\begin{aligned} \text{SP} &= \frac{100 - l\%}{100} \times \text{CP} \\ &= \frac{100 - \frac{25}{2}}{100} \times 8640 \\ &= \frac{175}{100} \times 8640 \\ &= \text{Rs } 7560 \end{aligned}$$

$$2 \text{ (i)} \text{ CP} = \text{Rs } 2400$$

$$\text{SP} = \text{Rs } 2592$$

$$\therefore \text{SP} > \text{CP}$$

$$\begin{aligned} \text{Profit}\% &= \frac{\text{SP} - \text{CP}}{\text{CP}} \times 100 \\ &= \frac{2592 - 2400}{2400} \times 100 \\ &= \frac{192}{24} \times 8 \\ &= 8 \end{aligned}$$

$$2 \text{ (ii)} \text{ CP} = \text{Rs } 1650, \text{SP} = \text{Rs } 1452$$

$$\begin{aligned} \text{Loss}\% &= \frac{\text{CP} - \text{SP}}{\text{CP}} \times 100 \\ &= \frac{1650 - 1452}{1650} \times 100 \\ &= \frac{198}{165} \times 10 \\ &= \frac{1980}{165} \\ &= 12 \end{aligned}$$

$$2 \text{ (iii)} \text{ CP} = \text{Rs } 12000, \text{SP} = \text{Rs } 12800$$

$$\begin{aligned} \text{Profit}\% &= \frac{12800 - 12000}{12000} \times 100 \\ &= \frac{800}{1200} \times 100 \\ &= \frac{80}{12} \times 100 \\ &= 6\frac{2}{3} \end{aligned}$$

$$2 \text{ (iv)} \text{ CP} = \text{Rs } 1800, \text{SP} = \text{Rs } 1611$$

$$\begin{aligned} \text{Loss}\% &= \frac{1800 - 1611}{1800} \times 100 \\ &= \frac{189}{18} \\ &= 10.5 \end{aligned}$$