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| <p>⑩ SP of I cycle = Rs 2376 P.% = 10</p> $CP = \frac{100}{100 + P\%} \times SP$ $= \frac{100}{110} \times 2376$ $= \text{Rs } 2160$ | <p>SP of II cycle = Rs 2376 L.% = 16</p> $CP = \frac{100}{100 - L\%} \times SP$ $= \frac{100}{90} \times 2376$ $= \text{Rs } 2640$ |
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$$TCP = 2160 + 2640$$

$$= \text{Rs } 4800$$

$$TSP = 2376 \times 2$$

$$= 4752$$

$$\text{loss}\% = \frac{4800 - 4752}{4800} \times 100$$

$$= \frac{48}{48}$$

$$= 1$$

⑪ let CP = Rs $6x$, gain = $\frac{1}{6} \times 6x$; SP = Rs 7350

$$= \text{Rs } x$$

$$SP = CP + g$$

$$7350 = 6x + x$$

$$\Rightarrow 7x = 7350$$

$$\Rightarrow x = \frac{7350}{7} = 1050$$

$$\therefore CP = 6 \times 1050$$

$$= \text{Rs } 6300$$