

$$5. \text{ CP of VCR} = \text{Rs } 8000$$

$$\text{loss \%} = 4$$

$$\text{SP of VCR} = \frac{100 - \text{L\%}}{100} \times \text{CP}$$

$$= \frac{100 - 4}{100} \times 8000$$

$$= 96 \times 80$$

$$= \text{Rs } 7680$$

$$\text{CP of TV} = \text{Rs } 8000$$

$$\text{Profit \%} = 8$$

$$\text{SP of TV} = \frac{100 + \text{P\%}}{100} \times \text{CP}$$

$$= \frac{100 + 8}{100} \times 8000$$

$$= 108 \times 80$$

$$= \text{Rs } 8640$$

$$\text{total C.P.} = 8000 + 8000$$

$$= \text{Rs } 16000$$

$$\text{total S.P.} = 7680 + 8640$$

$$= \text{Rs } 16320$$

$$\text{overall Profit} = \frac{\text{TSP} - \text{TCP}}{\text{TCP}} \times 100$$

$$= \frac{16320 - 16000}{16000} \times 100$$

$$= \frac{320}{160}$$

$$= 2$$