

8. Basic price of TV = Rs 13000
 rate of S.T = 12%

$$\begin{aligned} \text{Price inclusive of ST} &= \frac{100 + \text{ST}\%}{100} \times \text{B.P} \\ &= \frac{100 + 12}{100} \times 13000 \\ &= \frac{112}{\cancel{100}} \times 13000 \\ &= \text{Rs } 14560 \end{aligned}$$

9. discount % = 20

amount paid = Rs 1600

$$\text{Marked Price} = \frac{100}{100 - d\%} \times \text{SP}$$

$$= \frac{100}{100 - 20} \times 1600$$

$$= \frac{100}{\cancel{80}} \times \overset{20}{\cancel{1600}}$$

$$= \text{Rs } 2000$$