5. An article bought from Jaipur = ₹ 4800
Sold in Delhi = ₹ 5820
Total cost = ₹ 4800 + ₹ 1200
= ₹ 6000

Loss = CP − SP
= 6000 − 5820
= 180

Loss % = $\frac{180}{CP} \times 100 = \frac{3}{\cancel{6000}_{3}} \times 100 = 3\%$ (Ans)

(i) [illegible]

(ii) [illegible]

(iii) [illegible]

6. SP = ₹ 3600
Gaining one-sixth of its selling price.

i) Gain = $\frac{1}{6} \times \overset{600}{\cancel{3600}} = 600$ (Ans)

ii) CP = 3600 − 600 = 3000 (Ans)

iii) Gain % = $\frac{\overset{20}{\cancel{600}}}{3000} \times 100 = 20\%$ (Ans)

7. SP = ₹ 5500

i) Loss incured = $\frac{1}{10} \times 5500 = ₹550$ (Ans)

ii) CP = ₹5500 + ₹550 = ₹6050 (Ans)

iii) Loss % = $\frac{550 \times 100}{6050} = \frac{100}{11} = 9\frac{1}{11}\%$

8. Let the CP be x,

SP = $\frac{4}{5}x$

Gain = SP − CP

$= \frac{4}{5}x - x$

$= \frac{4x - 5x}{5} = -\frac{x}{5}$

So, it is loss.

Loss = $\frac{1x}{5}$

Loss % = $\frac{x}{5} \div x \times 100$

$= \frac{x}{5} \times \frac{1}{x} \times 100^{20} = 20\%$ (Ans)