



### Simple Interest Ex 12.1 Q5

**Answer :**

(i) CP = Rs. 2300, overhead expenses = Rs. 300, gain = Rs. 260

Gain % =  $\left\{ \frac{\text{Gain}}{\text{CP} + \text{overhead expenses}} \right\} \times 100 = \left\{ \frac{260}{2300 + 300} \right\} \times 100 = \left\{ \frac{260}{2600} \right\} \times 100 = 10\%$

(ii) CP = Rs. 3500, overhead expenses = Rs. 150, loss = Rs. 146

Loss % =  $\left\{ \frac{\text{Loss}}{\text{CP} + \text{overhead expenses}} \right\} \times 100 = \left\{ \frac{146}{3500 + 150} \right\} \times 100$   
 $= \left\{ \frac{146}{3650} \right\} \times 100$   
 $= 14600/3650 = 4\%$

### Simple Interest Ex 12.1 Q6

**Answer :**

Cost of 1 quintal of rice = Rs. 250

Cost of 600 quintals of rice =  $600 \times 250 = \text{Rs. } 150000$

Overhead expenses = Rs. 1000

Total CP = Rs.  $(150000 + 1000) = \text{Rs. } 151000$

Profit % =  $(\text{Profit}/\text{CP}) \times 100$

$7 = (P/151000) \times 100$

$P = 1510 \times 7 = \text{Rs. } 10570$

Profit = Rs. 10570

SP = CP + profit = Rs.  $(151000 + 10570) = \text{Rs. } 161570$

\*\*\*\*\* END \*\*\*\*\*