Simple Interest Ex 12.1 Q5

Answer :

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

Gain % = {(Gain/(CP + overhead expenses)} × 100 = {260/(2300 + 300} × 100 = {260/2600} × 100 = 10%

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

Loss % = {(Loss/(CP + overhead expenses)} × 100 = {146/(3500+ 150)} × 100

= {146/3650} × 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 × 250 = Rs. 150000

Overhead expenses = Rs. 1000

Total CP = Rs. (150000 + 1000) = Rs. 151000

Profit % = (Profit/CP) × 100

7 = (P/151000) × 100

P = 1510 × 7 = Rs. 10570

Profit = Rs. 10570

SP = CP + profit = Rs. (151000 + 10570) = Rs. 161570

********** END *********