



### Simple Interest Ex 12.1 Q3

**Answer :**

(i) CP = Rs. 4560, SP = Rs. 5000

Here, SP > CP. So, profit.

Profit = SP - CP = Rs. (5000 - 4560) = Rs. 440

Profit % =  $\{(\text{Profit}/\text{CP}) \times 100\}\% = \{(440/4560) \times 100\}\% = \{0.0965 \times 100\}\% = 9.65\%$

(ii) CP = Rs. 2600, SP = Rs. 2470. Here, CP > SP. So, loss.

Loss = CP - SP = Rs. (2600 - 2470) = Rs. 130

Profit % =  $\{(\text{Profit}/\text{CP}) \times 100\}\% = \{(130/2600) \times 100\}\% = \{0.05 \times 100\}\% = 5\%$

(iii) CP = Rs. 332, SP = Rs. 350. Here, SP > CP. So, profit.

Profit = SP - CP = Rs. (350 - 332) = Rs. 18

Profit % =  $\{(\text{Profit}/\text{CP}) \times 100\}\% = \{(18/332) \times 100\}\% = \{0.054 \times 100\}\% = 5.4\%$

(iv) CP = Rs. 1500, SP = Rs. 1500

SP = CP. So, neither profit nor loss.

### Simple Interest Ex 12.1 Q4

**Answer :**

(i) CP = Rs. 4000, gain = Rs. 40

Gain % =  $\{(\text{Gain}/\text{CP}) \times 100\}\% = \{(40/4000) \times 100\}\% = \{0.01 \times 100\}\% = 1\%$

(ii) SP = Rs. 1272, loss = Rs. 328

Loss = CP - SP

Hence, CP = Loss + SP = Rs. 328 + Rs. 1272 = Rs. 1600

Loss % =  $\{(\text{Loss}/\text{CP}) \times 100\}\% = \{(328/1600) \times 100\}\% = 20.5\%$

(iii) SP = Rs. 1820, gain = Rs. 420

Gain = SP - CP

CP = 1820 - 420 = Rs. 1400

Gain % =  $\{(\text{Gain}/\text{CP}) \times 100\}\% = \{(420/1400) \times 100\}\% = 30\%$

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