## HW - Chapter 3 - Ratios - Q8

## (i) Long term Debt

0.5 = Long- term debt $\div$ Net worth
$0.5=$ Long- term debt $\div(1,00,000+1,00,000)$
Long term debt $=$ Rs. 1,00,000

## (ii) Total assets

Total liabilities and Equity $=$ Notes and payables + Long-term debt + Common stock + Retained earnings
$=$ Rs. 1,00,000 + Rs. 1,00,000 + Rs. 1,00,000 + Rs. 1,00,000 = Rs. 4,00,000
Total assets $=$ Total liabilities and Equity $=$ Rs. 4,00,000
(iii) Sales and Cost of Goods sold

Total asset turnover $=2.5=$ Sales $\div$ Total Assets
Sales $=2.5 \times 400000=$ Rs. 10,00,000
GRoss Margin = 10\% of Sales
Cost of goods sold $=90 \%$ of Sales $=90 \%$ of $=$ Rs. 9,00,000.

## (iv) Current Assets

Inventory turnover = 9 = Cost of goods sold $\div$ Inventory
Inventory = Rs. 1,00,000
Average collection period $=18=$ Receivables $\times 360 \div$ Sales
Accounts Receivable = Rs. 50,000
Acid-test ratio $=1=$ Cash + Accounts Receivable $\div$ Notes and Payables

$$
=\text { Cash }+50,000 \div, 00,000
$$

Cash = Rs. 50,000

## (v) Plant and equipment

= Total Assets - Current Assets
$=$ Rs. 4,00,000 - (Rs. 1,00,000 + Rs. 50,000 + Rs. 50,000) = Rs. 2,00,000

Balance Sheet

|  | Rs. |  | Rs. |
| :--- | ---: | :--- | ---: |
| Cash | 50,000 | Notes and payables | $1,00,000$ |
| Accounts receivable | 50,000 | Long-term debt | $1,00,000$ |
| Inventory | $1,00,000$ | Common stock | $1,00,000$ |
| Plant and equipment | $2,00,000$ | Retained earnings | $1,00,000$ |
| Total assets | $4,00,000$ | Total liabilities and equity | $4,00,000$ |

