HW - Chapter 3 - Ratios - Q8

(i) Long term Debt

 $0.5 = \text{Long-term debt } \div \text{Net worth}$

 $0.5 = \text{Long-term debt} \div (1,00,000 + 1,00,000)$

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 ÷ 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 ÷ Inventory

Inventory = Rs. 1,00,000

Average collection period = 18 = Receivables × 360 ÷ Sales

Accounts Receivable = Rs. 50,000

Acid-test ratio = 1 = Cash+ Accounts Receivable ÷ Notes and Payables

$$= Cash + 50,000 \div ,00,000$$

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