## C H A P TER <br> 2

## Comparative Statements and Common-Size Statements

## MEANING OF KEY TERMS USED IN THE CHAPTER

## 1. Comparative Financial Statements

Comparative Financial Statements are the statements prepared to compare items or components of:

- Financial Statements of an enterprise for two or more successive accounting periods (intra-firm), or
- Financial Statements of different enterprises for the same accounting periods (inter-firm).

It is prepared separately for Balance Sheet and Statement of Profit and Loss.

## 2. Comparative Balance Sheet

Comparative Balance Sheet is the horizontal analysis of Balance, Sheet in which each item of Assets, Equity and Liabilities is analysed horizontally for two or more accounting periods.

## 3. Comparative Income Statement (Statement of Profit and Loss)

Comparative Income Statement is the horizontal analysis of Statement of Profit and Loss in which each item of Revenue and Expenses is analysed horizontally for two or more accounting periods.

## 4. Common-size Financial Statements

Common-size Financial Statements are the statements in which amounts of individual items of Balance Sheet and Statement of Profit and Loss for two or more years are written. These amounts are further converted into percentage to some common base.

## 5. Common-size Balance Sheet

Common-size Balance Sheet is a statement prepared to show each item or component of Balance Sheet as a percentage of total of Equity and Liabilities or total Assets taken as 100.

## 6. Common-size Income Statement

Common-size Income Statement is prepared to show each item or component of Statement of Profit and Loss as a percentage of Revenue from Operations, i.e., Net Sales taken as 100.

## SUMMARY OF THE CHAPTER

- Comparative Financial Statement is a tool of financial analysis that shows change in each item of the financial statements (Balance Sheet and Statement of Profit and Loss) in both absolute amount and percentage terms, taking the item in previous accounting period as base.
- Significance or Purposes of Comparative Financial Statements

1. To know the nature of changes influencing financial position.
2. To know the weaknesses and strengths about liquidity, profitability and solvency of the enterprise.
3. To forecast and plan.
4. To know the movements of key financial statistics.

- Tools for Comparison

1. Comparative Balance Sheet.
2. Comparative Income Statement, i.e., Statement of Profit and Loss.
3. Common-size Balance Sheet.
4. Common-size Income Statement , i.e., Statement of Profit and Loss.

- Comparative Balance Sheet
"Comparative Balance Sheet analysis is the study of the trend of same items, group of items and computed items in two or more Balance Sheets of the same business enterprise on different dates."
-Foulka
- Comparative Income Statement, i.e., Statement of Profit and Loss

A Comparative Income Statement or Comparative Statement of Profit and Loss shows the operating results for a number of accounting periods so that changes in data in terms of money and percentage from one period to another may be known.

- Common-size Balance Sheet

Common-size Balance Sheet is the statement in which amounts of individual items of Balance Sheet for two or more years are written. These amounts are further converted into percentage to a common base which is total of Equity and Liabilities or total Assets.

- Common-size Income Statement, i.e., Statement of Profit and Loss.

Common-size Income Statement or Common-size Statement of Profit and Loss is the statement in which amounts of individual items of Statement of Profit and Loss for two or more years are written. These amounts are further converted into percentage to a common base which is Revenue from Operations.

## Solved Questions

## Illustration 1.

From the following Balance Sheet of Exe Ltd. as at 31st March, 2019, prepare Comparative Balance Sheet:

$$
\text { BALANCE SHEET as at 31st March, } 2019
$$



## Solution:

COMPARATIVE BALANCE SHEET as at 31st March, 2019 and 2018

| Particulars | Note No. | 31st March, 2019 (₹) | $\begin{aligned} & \text { 31st March, } \\ & 2018 \text { ( }() \text { ) } \end{aligned}$ | Absolute Change (Increase/ Decrease) (₹) | Percentage Change (Increase/ Decrease) (\%) |
| :---: | :---: | :---: | :---: | :---: | :---: |
| I. EQUITY AND LIABILITIES <br> 1. Shareholders' Funds <br> (a) Share Capital: <br> (i) Equity Share Capital <br> (ii) Preference Share Capital <br> (b) Reserves and Surplus <br> 2. Non-Current Liabilities <br> Long-term Borrowings: <br> (i) $8 \%$ Debentures <br> (ii) Loan from Bank <br> 3. Current Liabilities <br> (a) Trade Payables (Creditors) <br> (b) Short-term Provisions |  | $9,00,000$ $6,00,000$ $3,00,000$ $4,00,000$ $2,00,000$ $4,00,000$ $2,00,000$ | $6,00,000$ $3,00,000$ $3,00,000$ $2,00,000$ $4,00,000$ $2,00,000$ $1,00,000$ | $\begin{gathered} 3,00,000 \\ 3,00,000 \\ \ldots \\ \\ 2,00,000 \\ (2,00,000) \\ \\ 2,00,000 \\ 1,00,000 \end{gathered}$ | $\begin{gathered} 50.00 \\ 100.00 \\ \ldots \\ \\ 100.00 \\ (50.00) \\ \\ 100.00 \\ 100.00 \end{gathered}$ |
| Total |  | 30,00,000 | 21,00,000 | 9,00,000 | 42.86 |
| II. ASSETS <br> 1. Non-Current Assets <br> (a) Fixed Assets:Tangible Assets <br> (b) Non-Current Investments <br> 2. Current Assets <br> (a) Trade Receivables (Debtors) <br> (b) Cash and Bank Balances |  | $\begin{array}{r} 15,00,000 \\ 3,00,000 \\ \\ 9,00,000 \\ 3,00,000 \end{array}$ | $\begin{array}{r} 12,00,000 \\ 3,00,000 \\ \\ 4,00,000 \\ 2,00,000 \\ \hline \end{array}$ |  | $\begin{array}{r} 25.00 \\ \ldots \\ 125.00 \\ 50.00 \end{array}$ |
| Total |  | 30,00,000 | 21,00,000 | 9,00,000 | 42.86 |

## Illustration 2.

From the following Statement of Profit and Loss of Vaio Ltd., prepare Comparative Income Statement (Comparative Statement of Profit and Loss):

$$
\text { STATEMENT OF PROFIT AND LOSS for the years ended 31st March, } 2019 \text { and } 2018
$$

| Particulars | Note No. | 31st March, 2019 (₹) | 31st March, 2018 (₹) |
| :---: | :---: | :---: | :---: |
| I. Revenue from Operations (Net Sales) |  | 20,00,000 | 15,00,000 |
| II. Other Income |  | 75,000 | 55,000 |
| III. Total Revenue (I + II) |  | 20,75,000 | 15,55,000 |
| IV. Expenses: |  |  |  |
| (a) Purchases of Stock-in-Trade |  | 13,80,000 | 9,00,000 |
| (b) Change in Inventories of Stock-in-Trade |  | $(25,000)$ | 1,00,000 |
| (c) Employees Benefit Expenses |  | 1,50,000 | 1,25,000 |
| (d) Finance Costs |  | 15,000 | 12,000 |
| (e) Depreciation and Amortisation Expense |  | 3,200 | 3,500 |
| (f) Other Expenses |  | 7,800 | 7,500 |
| Total Expenses |  | 15,31,000 | 11,48,000 |
| V. Profit before Tax (III - IV) |  | 5,44,000 | 4,07,000 |
| VI. Less: Tax |  | 1,15,000 | 1,00,000 |
| VII. Profit after tax (V-VI) |  | 4,29,000 | 3,07,000 |

Solution:
Vaio Ltd.
COMPARATIVE INCOME STATEMENT OR COMPARATIVE STATEMENT OF PROFIT AND LOSS for the years ended 31st March, 2019 and 2018

| Particulars | Note No. | 31st March, 2019 ₹ | 31st March, 2018 ₹ | Absolute Change (Increase/Decrease) ₹ | Percentage Change (Increase/Decrease) \% |
| :---: | :---: | :---: | :---: | :---: | :---: |
| I. Revenue from Operations |  | 20,00,000 | 15,00,000 | 5,00,000 | 33.33 |
| II. Other Income |  | 75,000 | 55,000 | 20,000 | 36.36 |
| III. Total Income |  | 20,75,000 | 15,55,000 | 5,20,000 | 33.44 |
| IV. Expenses |  |  |  |  |  |
| Purchases of Stock-in-Trade |  | 13,80,000 | 9,00,000 | 4,80,000 | 53.33 |
| Change in Inventories of Stock-in-Trade |  | $(25,000)$ | 1,00,000 | $(1,25,000)$ | (125.00) |
| Employees Benefit Expenses |  | 1,50,000 | 1,25,000 | 25,000 | 20.00 |
| Finance Costs |  | 15,000 | 12,000 | 3,000 | 25.00 |
| Depreciation and |  |  |  |  |  |
| Amortisation Expense |  | 3,200 | 3,500 | (300) | (8.57) |
| Other Expenses |  | 7,800 | 7,500 | 300 | 4.00 |
| Total Expenses |  | 15,31,000 | 11,48,000 | 3,83,000 | 33.36 |
| V. Profit before Tax (III-IV) |  | 5,44,000 | 4,07,000 | 1,37,000 | 33.66 |
| VI. Less: Tax |  | 1,15,000 | 1,00,000 | 15,000 | 15.00 |
| VII. Profit after Tax (V-VI) |  | 4,29,000 | 3,07,000 | 1,22,000 | 39.74 |

## Illustration 3.

The Balance Sheet of Star Paints Limited as at 31st March, 2019 is given below:

## Star Paints Limited

BALANCE SHEET as at 31st March, 2019


Prepare Common-size Balance Sheet for Star Paints Limited.

Solution: COMMON-SIZE BALANCE SHEET OF STAR PAINTS LIMITED as at 31st March, 2019 and 2018

| Particulars | Note No. | Absolute Amounts |  | Percentage of Balance Sheet Total |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | $\begin{array}{\|c} \hline 31 \text { st March, } \\ 2019 \text { (₹) } \end{array}$ | $\begin{aligned} & \text { 31st March, } \\ & 2018 \text { ( }(\mathrm{F}) \end{aligned}$ | 31st March, 2019 (\%) | 31st March, 2018 (\%) |
| I. EQUITY AND LIABILITIES <br> 1. Shareholders' Funds |  |  |  |  |  |
| (a) Share Capital |  | 2,74,000 | 2,74,000 | 31.86 | 19.30 |
| (b) Reserves and Surplus |  | 70,000 | 1,52,000 | 8.14 | 10.70 |
| 2. Non-Current Liabilities |  |  |  |  |  |
| Long-term Borrowings: (Secured Loan) |  | 2,32,000 | 1,00,000 | 26.98 | 7.04 |
| (Unsecured Loan) |  | 2,06,000 | 5,96,000 | 23.95 | 41.97 |
| 3. Current Liabilities |  | 78,000 | 2,98,000 | 9.07 | 20.99 |
| Total |  | 8,60,000 | 14,20,000 | 100.00 | 100.00 |
| II. ASSETS |  |  |  |  |  |
| 1. Non-Current Assets |  |  |  |  |  |
| (a) Fixed Assets (Tangible) |  | 4,30,000 | 5,68,000 | 50.00 | 40.00 |
| (b) Non-Current Investments |  | 4,000 | 6,000 | 0.4 | 0.42 |
| 2. Current Assets |  |  |  |  |  |
| (a) Inventories |  | 2,16,000 | 4,26,000 | 25.12 | 30.00 |
| (b) Trade Receivables |  | 1,40,000 | 3,30,000 | 16.28 | 23.24 |
| (c) Cash and Bank Balances |  | 70,000 | 90,000 | 8.14 | 6.34 |
| Total |  | 8,60,000 | 14,20,000 | 100.00 | 100.00 |

## Illustration 4.

Prepare Comparative Income Statement (Statement of Profit and Loss) from the following information:

Year Ended 31st March, 2019:
Revenue from Operations - ₹ 9,60,000, Cost of Revenue from Operations - ₹ 5,80,000, Office and Administration Expenses-₹ 1,90,000, Selling and Distribution Expenses-₹ 70,000 and Other Expenses-₹ 5,000.
Year Ended 31st March, 2018:
Revenue from Operations - ₹ $8,00,000$, Cost of Revenue from Operations - ₹ 5,00,000, Office and Administration Expenses - ₹ 1,40,000, Selling and Distribution Expenses-₹ 90,000 and Other Expenses-₹ $10,000$.

Solution: COMPARATIVE INCOME STATEMENT OR COMPARATIVE STATEMENT OF PROFIT AND LOSS for the years ended 31st March, 2019 and 2018

| Particulars | Note No. | 31st March, 2019 ₹ | 31st March, 2018 ₹ | Absolute Change (Increase/Decrease) ₹ | Percentage Change (Increase/Decrease) \% |
| :---: | :---: | :---: | :---: | :---: | :---: |
| I. Revenue from Operations |  | 9,60,000 | 8,00,000 | 1,60,000 | 20.00 |
| II. Expenses |  |  |  |  |  |
| Cost of Revenue from Operations |  | 5,80,000 | 5,00,000 | 80,000 | 16.00 |
| Office and Administration Exp. |  | 1,90,000 | 1,40,000 | 50,000 | 35.71 |
| Selling and Distribution Exp. |  | 70,000 | 90,000 | $(20,000)$ | (22.22) |
| Other Expenses |  | 5,000 | 10,000 | $(5,000)$ | (50.00) |
| Total Expenses |  | 8,45,000 | 7,40,000 | 1,05,000 | 14.19 |
| III. Net Profit (I- II) |  | 1,15,000 | 60,000 | 55,000 | 91.67 |

## Illustration 5.

From the Statement of Profit and Loss, prepare Comparative Income Statement of Exe Ltd.:

| Particulars | Note No. | 31st March, 2019 ₹ | $\begin{gathered} \hline 31 \text { st March, } \\ 2018 \\ \text { ₹ } \\ \hline \end{gathered}$ |
| :---: | :---: | :---: | :---: |
| I. Income <br> Revenue from Operations Other Income |  | $\begin{array}{r} 33,00,000 \\ 60,000 \end{array}$ | $\begin{array}{r} 30,00,000 \\ 60,000 \end{array}$ |
| Total |  | 33,60,000 | 30,60,000 |
| II. Expenses |  |  |  |
| Purchases of Stock-in-Trade |  | 24,00,000 | 23,00,000 |
| Change in Inventory of Stock-in-Trade |  | 1,20,000 | 1,00,000 |
| Employees Benefit Expenses |  | 90,000 | 70,000 |
| Finance Costs |  | 60,000 | 60,000 |
| Other Expenses |  | 90,000 | 80,000 |
| Total |  | 27,60,000 | 26,10,000 |
| III. Profit (I-II) |  | 6,00,000 | 4,50,000 |
| IV. Less:Tax |  | 3,00,000 | 2,25,000 |
| V. Profit after Tax (III - IV) |  | 3,00,000 | 2,25,000 |

## Solution:

## Exe Ltd.

COMPARATIVE INCOME STATEMENT OR COMPARATIVE STATEMENT OF PROFIT AND LOSS for the years ended 31 st March, 2019 and 2018


## Illustration 6.

From the following Balance Sheet of Sun Ltd. as at 31st March, 2019, prepare Commonsize Balance Sheet:


## Illustration 7.

From the following Balance Sheet of XYZ Ltd. as at 31st March, 2019, prepare Common-Size Balance Sheet:

BALANCE SHEET as at 31st March, 2019


Note: Percentage is calculated on the basis of Total of Equity and Liabilities/Total Assets.

$$
\text { Percentage of Share Capital (31st March, 2019) }=\frac{₹ 10,00,000}{₹ 24,00,000} \times 100=41.67 \%
$$

In the same manner other percentages are calculated.

## Unsolved Questions

1. The Balance Sheet of Blue Bell Ltd. as at 31st March, 2019 is given below:

BALANCE SHEET as at 31st March, 2019

| Particulars | Note No. | $\begin{gathered} \hline \text { 31st March, } \\ 2019 \text { (₹) } \end{gathered}$ | $\begin{aligned} & \text { 31st March, } \\ & \hline \end{aligned}$ |
| :---: | :---: | :---: | :---: |
| I. EQUITY AND LIABILITIES |  |  |  |
| 1. Shareholders' Funds |  |  |  |
| Share Capital |  | 4,26,000 | 3,44,000 |
| 2. Non-Current Liabilities |  |  |  |
| Long-term Borrowings |  | 6,96,000 | 4,38,000 |
| 3. Current Liabilities |  |  |  |
| Short-term Borrowings, Trade Payables, etc. |  | 2,98,000 | 78,000 |
| Total |  | 14,20,000 | 8,60,000 |
| II. ASSETS |  |  |  |
| 1. Non-Current Assets |  |  |  |
| (a) Fixed Assets (Tangible Assets) |  | 5,68,000 | 4,30,000 |
| (b) Non-Current Investments |  | 6,000 | 4,000 |
| 2. Current Assets |  |  |  |
| Inventories, Trade Receivables, Cash and Bank Balances, etc. |  | 8,46,000 | 4,26,000 |
| Total |  | 14,20,000 | 8,60,000 |

Prepare Comparative Balance Sheet showing percentage changes from 2018 to 2019.
2. Following is the Balance Sheet of Priya Ltd., as at 31st March, 2019:


You are required to prepare Comparative Balance Sheet on the basis of the information given in the above Balance Sheet.
3. Prepare Comparative Income Statement from the following Statement of Profit and Loss:

4. Prepare Common-size Balance Sheet of Xylo Ltd. as at 31st March, 2020:


## GUIDE TO ANSWERS

1. 

| Particulars | Share Capital | Long-term Borrowings | Current <br> Liabilities | Fixed Assets | Non-current <br> Investments | Current <br> Assets |
| :--- | :---: | :---: | :---: | :---: | :---: | :---: |
| Absolute Change (₹) | 82,000 | $2,58,000$ | $2,20,000$ | $1,38,000$ | 2,000 | $4,20,000$ |
| Percentage Change (\%) | 23.84 | 58.90 | 282.05 | 32.09 | 50.00 | 98.59 |

2. 

| Particulars | Share Capital | Long-term Borrowings | Current Liabilities | Non-Current Assets | Current Assets |
| :--- | :---: | :---: | :---: | :---: | :---: |
| Absolute Change $(₹)$ | $5,00,000$ | $6,00,000$ | $4,00,000$ | $9,00,000$ | $6,00,000$ |
| Percentage Change (\%) | 33.33 | 150.00 | 66.67 | 39.13 | 60.00 |

3. 

| Particulars | Revenue from <br> Operations | Other <br> Income | Purchases of <br> Stock-in-Trade | Changes in <br> Inventories | Finance <br> Costs |  <br> Amortisation | Other <br> Expenses | Net <br> Profit |
| :--- | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Absolute Change (₹) | $10,00,000$ | $1,00,000$ | $2,00,000$ | $3,00,000$ | $(5,000)$ | 5,000 | 25,000 | $5,75,000$ |
| Percentage Change (\%) | 25.00 | 50.00 | 6.25 | 150.00 | $(10.00)$ | 20.00 | 8.33 | 79.31 |


|  |  |  |  |  |  |  |  |  |
| :--- | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 4. |  |  |  |  |  |  |  |  |
| Year ended | Equity Share <br> Capital | Preference <br> Share Capital | Reserves and <br> Surplus, | Long-term <br> Borrowings | Current <br> Liabilities | Fixed <br> Assets | Non-Current <br> Investments | Current <br> Assets |
| 31st March, 2020 (\%) | 42.56 | 14.18 | 14.18 | 14.18 | 14.90 | 56.74 | 14.18 | 29.08 |
| 31st March, $2019(\%)$ | 35.29 | 23.53 | 11.76 | 11.76 | 17.65 | 47.06 | 11.76 | 41.18 |

