## **SPECIMEN PROJECTS: USING EXCEL 2007**

### **PROJECT-3**

### **Petty Cash Book**

Consider the following petty cash transactions :

Mr. Mohit, the petty cashier of M/s Samaira Traders received ₹ 2,000/- on May 2015 from Head Cashier. For the month, details of petty expenses are listed here under :

| Date   |      | Details  | Amount ₹ |
|--------|------|--|----------|
| May 01 | 2015 | Auto Fare  | 55       |
|        | 02   | Courier Services                                       | 40       |
|        | 03   | Postal Stamps  | 105      |
|        | 04   | Erasers/Sharpeners/Pencils/Pads                        | 225      |
|        | 05   | Speed Post Charges                                     | 98       |
|        | 06   | Taxi fare (₹ 105 + ₹ 90)                               | 195      |
|        | 08   | Refreshments   | 85       |
|        | 10   | Auto fare  | 60       |
|        | 12   | Registered postal charges                              | 42       |
|        | 13   | Telegram   | 34       |
|        | 14   | Cartage  | 25       |
|        | 16   | Computer Stationery                                    | 165      |
|        | 19   | Bus fare   | 24       |
|        | 20   | Office sanitation including disinfectant (₹ 36 + ₹ 24) | 60       |
|        | 22   | Refreshment  | 45       |
|        | 23   | Photostat Charges                                      | 47       |
|        | 28   | Courier services                                       | 40       |
|        | 29   | Unloading charges                                      | 40       |
|        | 30   | Bus fare   | 15       |

### **Required:**

- 1. Open a 'Worksheet' and name it "Main Page".
- 2. Create the following screen (Fig. 1) using the table/below showing cell wise command, data types to be defined and data contents.

### Table-1

| Cell<br>Reference | Use<br>Command    | Need for    | Data<br>Type | Content  |
|-------------------|-------------------|-------------|--------------|--|
| C1                | Merge Cells C1:G1 | Enter Title | Text         | Summary of Petty Cash Book   |
| B3                | Merge Cells B3:D3 | Enter Title | Text         | Name of the Organization   |
| B4                | Merge Cells B4:D4 | Enter Title | Text         | Name of the Department   |
| B5                | Merge Cells B5:D5 | Enter Title | Text         | G/L Account Number   |
| B6                | Merge Cells B6:D6 | Enter Title | Text         | Batch Number   |
| B7                | Merge Cells B7:D7 | Enter Title | Text         | Cash Receipt/OB  |
| E3                | Merge Cells E3:13 | Enter Data  | Text         | Enter the Name of the Organization<br>(e.g. Samaira Traders) (This cell<br>will be linked in other work sheets)    |
| E4                | Merge Cells E4:14 | Enter Data  | Text         | Enter the Name of the Department<br>(e.g. IT) (This cell will be linked in<br>other work sheets)                   |
| E5                | Merge Cells E5:G5 | Enter Data  | Numeric      | Enter the G/L Account Number<br>(e.g. 12345) (This cell will be linked<br>in other work sheets)                    |
| E6                | Merge Cells E6:G6 | Enter Data  | Numeric      | Enter the Batch Number (e.g.1)<br>(This cell will be linked in other<br>work sheets)                               |
| E7                | Merge Cells E7:17 | Enter Data  | Numeric      | Enter the Cash Receipt/OB (e.g. 2000.00)<br>(This cell will be linked in other work sheets)                        |
| E8                | Merge Cells E8:18 | Enter Data  | Date         | Enter the Date of receipt amount or<br>OB (e.g. May 1, 2005)<br>(This cell will be linked in other<br>work sheets) |

| E9  | Merge Cells E9:19  | Calculate | Numeric | Cash Spent/Expenses This total of                |
|-----|--------------------|-----------|---------|--|
|     |                    |           |         | sheets (e.g. 1487.00)                            |
|     |                    |           |         | (The cell will be linked from other work sheets) |
| E10 | Merge Cells E10:10 | Calculate | Numeric | This is a Calculated value using                 |
|     |                    |           |         | formula : = (E7-E9) (e.g. 513.00)                |

- 3. Open the new worksheet and name it 'Entries'. This worksheet will have four parts (refer figure-2)
  - a) Data is first three rows.
  - b) Data for opening balance/receipt for cash.
  - c) Data for daily expenses.
  - d) Data for final balance at the end of period.
- 4. Using the table-2, prepare the petty cash book in Excel (refer figure 2)
  - a)

| Cell Reference | Use Command         | Need for    | Data<br>Type | Content             |
|----------------|---------------------|-------------|--------------|---------------------|
| B1             | Merge cells B1:C1   | Enter Title | Text         | Book of             |
| E1             | Merge cells E1:G1   | Link Data   | Text         | = Main Page'!E3:13  |
| H1             | Merge Cells H1:L1   | Enter Title | Text         | Petty Cash Book     |
| B2             | Merge cells B2:C2   | Enter Title | Text         | Department          |
| E2             | Merge cells E2:G2   | Link Data   | Text         | = 'Main Page'!E4:14 |
| H2             | Merge Cells H2:J2   | Enter Title | Text         | G/L Account Number  |
| К2             | Merge Cells K2:L2   | Link Data   | Numeric      | = 'Main Page'!E5    |
| H3             | Merge Cells H3:J3   | Enter Title | Text         | Batch Number        |
| К3             | Merge Cells K3 : L3 | Link Data   | Numeric      | = 'Main Page'!E6    |

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|---|------------|--|
| ł | <b>٦</b> ١ |  |
| L | "          |  |
|   |            |  |

| Cell Reference | Use Command       | Need for                           | Data Type | Content           |  |
|----------------|-------------------|------------------------------------|-----------|-------------------|--|
| A5             | Merge cells A5:C5 | Merge cells A5:C5 Enter Title Text |           | Receipts          |  |
| A6             | _                 | Enter Title                        | Text      | Date              |  |
| B6             | _                 | Enter Title                        | Text      | Particulars       |  |
| C6             | _                 | Enter Title                        | Text      | Amount            |  |
| A7             | _                 | Enter Title                        | Text      | = 'Main Page'!E8' |  |
| B7             | _                 | Enter Title                        | Text      | Balance B/f       |  |
| C7             | _                 | Enter Title Numeric                |           | = 'Main Page'!E7  |  |

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c)

| Cell Reference | Use Command       | Need for    | Data Type | Content  |
|----------------|-------------------|-------------|-----------|--|
| E5             | Merge cells E5:H5 | Enter Title | Text      | Expenditure  |
| I5             | Merge cells I5:M5 | Enter Title | Text      | Analysis of Payments                                 |
| E6             | _                 | Enter Title | Text      | Data   |
| F6             | _                 | Enter Title | Text      | Voucher Number                                       |
| G6             | _                 | Enter Title | Text      | Particulars  |
| H6             | -                 | Enter Title | Text      | Net Amount   |
| I6             | -                 | Enter Title | Text      | Postage  |
| J6             |                   | Enter Title | Text      | Telephones & Telegram                                |
| K6             | -                 | Enter Title | Text      | Conveyance   |
| L6             | _                 | Enter Title | Text      | Stationery   |
| M6             | _                 | Enter Title | Text      | Miscellaneous  |
| E7:E35*        | Each Cell         | Enter Data  | Date      | Date of Transaction                                  |
| G7:G35*        | Each Cell         | Enter Text  | Text      | Text for every Transaction                           |
| H7:H35*        | Each Cell         | Enter Amt.  | Numeric   | Amount spent   |
| 17:M35*        | Each Cell         | Enter Amt   | Numeric   | As per classification enter<br>the respective amount |

\* Enter data till last date/period is given

d)

| Cells Reference | Use<br>Command | Need for    | Data Type | Content   |
|-----------------|----------------|-------------|-----------|---|
| B30             | _              | Enter Title | Text      | Total   |
| C30             | _              | Calculate   | Numeric   | Use Sum Function  |
| G30             | _              | Enter Title | Text      | Total   |
| H30 : M30       | _              | Calculate   | Numeric   | Use Sum Function  |
| E31             |                | Calculate   | Date      | Date of Balance c/d which<br>will be equal to the sum of<br>the date in last cell and 1<br>(e.g. E27 + 1) |
| G31             |                | Enter Title | Text      | Balance C/d   |
| H31             |                | Calculate   | Numeric   | = (C30-H30)   |
| G32             | _              | Enter Title | Text      | Total   |
| I31             |                | Calculate   | Numeric   | = (H30-H31)   |
| A34             | 4 — Calculate  |             | Date      | Date of Balance b/d which<br>will be equal to the sum of<br>the date in last cell and 1<br>(e.g. E31 + 1) |
| B34             |                | Enter Title | Text      | Balance b/d   |
| C34             | _              | Link Data   | Numeric   | = H31   |
| A35             | _              | Link Data   | Date      | = A34   |
| B35             |                | Enter Title | Text      | Cash Received   |
| C35             |                | Link Data   | Numeric   | = H30   |

## PROJECT-4

Preparation of the machinery account and depreciation account using the following example.

M/s Singhania and Bros. purchased a plant for ₹ 5,00,000 on April 1<sup>st</sup> 2015 and spent ₹ 50,000 for its installation. The salvage value of the plant after its useful life of 10 years is estimated to be ₹ 10,000. Record journal entries for the year 2015-16 and draw up plant account and depreciation account for first three years given that the depreciation is charged using straight line method if :

- ☆ The books of accounts are closed on 31<sup>st</sup> March every year.
- ☆ The firm charges the depreciation to asset accounts.

### **Required:**

- 1. Open a worksheet and name it "Main Page".
- 2. Create the following screen (figure 1) with the details given in chronological order in table-1.

| Cell<br>Reference | Use<br>Command | Need for    | Data Type  | Content                |
|-------------------|----------------|-------------|------------|------------------------|
| В3                | _              | Enter Title | Text       | Name of the Company    |
| B4                | _              |             |            | Type of asset          |
| B5                | _              | Enter Title | Text       | Purchase cost          |
| B6                | _              | Enter Title | Text       | Transportation cost    |
| B7                | _              | Enter Title | Numeric    | Installation charges   |
| B8                | _              | Enter Title | Numeric    | Repairing cost         |
| В9                | _              | Enter Title | Numeric    | Acquisition cost       |
| B10               | _              | Enter Title | Numeric    | Salvage value          |
| B11               | _              | Enter Title | Numeric    | Estimated life         |
| B12               | _              | Enter Title | Percentage | Rate of depreciation   |
| B13               | _              | Enter Title | Numeric    | Date of purchase       |
| B14               | -              | Enter Title | Sin        | Method of depreciation |

3. Calculate the amount of depreciation (refer figure 2) and prepare the depreciation account (refer figure-3). The steps are shown in table 2.

| Cell<br>Reference | Use<br>Command | Need for    | Data<br>Type | Content                                  |
|-------------------|----------------|-------------|--------------|--|
| K3                | _              | Enter Title | Text         | Calculation for Depreciation             |
| K4                | -              | Enter Title | Text         | Sr.no                                    |
| L4                | -              | Enter Title | Text         | Function used                            |
| 04                | -              | Enter Title | Text         | Result                                   |
| K5                | -              | Enter Title | Numeric      | 1  |
| L5                | _              | Function    | Date         | =SLN(G4,Main_Page!C10,Main_Page<br>!C11) |
| 05                | -              | Function    | Numeric      | 54000                                    |
| C16               | -              | Enter Title | Text         | Particulars                              |
| F16               | _              | Enter Title | Text         | JF                                       |
| G16               | _              | Enter Title | Text         | Amount (Rs.)                             |
| H16               | _              | Enter Title | Text         | Date                                     |
| I16               | _              | Enter Title | Text         | Particulars                              |
| L16               | —              | Enter Title | Text         | JF                                       |
| M16               | -              | Enter Title | Text         | Amount (Rs.)                             |

4. Prepare the plant account (refer Figure 4). The steps are shown in table-3.

| Cell<br>Reference | Use<br>Command | Need for    | Data<br>Type | Content       |
|-------------------|----------------|-------------|--------------|---------------|
| G14               | _              | Link data   | Text         | =Main_Page!C4 |
| B15               | _              | Enter Title | Text         | Dr.           |
| M15               | _              | Enter Title | Text         | Cr.           |
| B16               | _              | Enter Title | Text         | Date          |

## PROJECT-5

Calculating various ratios using figures given in financial statements and presenting them through charts and graphs.

### **Required:**

1. Create a 'Data Entry' sheet following the procedure given in table-1 (refer figure 1)

### Sheet "Data Entry"

| F2 |                          | $\mathbf{f}_{\mathbf{x}}$ |                   |                   |              |                     |                   |                   |  |  |
|----|--------------------------|---------------------------|-------------------|-------------------|--------------|---------------------|-------------------|-------------------|--|--|
|    | Α                        | В                         | С                 | D                 | E            | F                   | G                 | Н                 |  |  |
| 1  | Balance Sheet of         | Balance Sheet of          |                   |                   |              |                     |                   |                   |  |  |
| 2  |                          |                           |                   |                   |              |                     |                   |                   |  |  |
| 3  | Capital &<br>Liabilities | Amount<br>at Year-I       | Amount<br>at Year | Amount<br>at Year | Assets       | Amount<br>at Year-I | Amount<br>at Year | Amount<br>at Year |  |  |
| 4  | Share Capital            |                           |                   |                   | Fixed Assets |                     |                   |                   |  |  |
| 5  |                          |                           |                   |                   |              |                     |                   |                   |  |  |
| 6  |                          |                           |                   |                   |              |                     |                   |                   |  |  |
| 7  |                          |                           |                   |                   |              |                     |                   |                   |  |  |
| 8  |                          |                           |                   |                   |              |                     |                   |                   |  |  |
| 9  |                          |                           |                   |                   |              |                     |                   |                   |  |  |
| 10 |                          |                           |                   |                   |              |                     |                   |                   |  |  |
| 11 |                          |                           |                   |                   |              |                     |                   |                   |  |  |
| 12 |                          |                           |                   |                   |              |                     |                   |                   |  |  |
| 13 |                          |                           |                   |                   | Investments  |                     |                   |                   |  |  |
| 14 | Reserves and<br>Surplus  |                           |                   |                   |              |                     |                   |                   |  |  |
| 15 |                          |                           |                   |                   |              |                     |                   |                   |  |  |
| 16 |                          |                           |                   |                   |              |                     |                   |                   |  |  |

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| 17 |                                     |  |                                  |             |   |  |
|----|-------------------------------------|--|----------------------------------|-------------|---|--|
| 18 |                                     |  | Current Assets Line and Advances |             |   |  |
| 19 |                                     |  | Current Assets                   |             |   |  |
| 20 |                                     |  | Stock                            |             |   |  |
| 21 | Secured Loan                        |  | Prepaid Expense                  | es          |   |  |
| 22 |                                     |  |                                  |             |   |  |
| 23 |                                     |  |                                  |             |   |  |
| 24 |                                     |  |                                  |             |   |  |
| 25 |                                     |  |                                  |             |   |  |
| 26 |                                     |  |                                  |             |   |  |
| 27 | Unsecured<br>Loan                   |  |                                  |             |   |  |
| 28 |                                     |  | Linear Advance                   | S           |   |  |
| 29 |                                     |  |                                  |             |   |  |
| 30 |                                     |  |                                  |             |   |  |
| 31 |                                     |  |                                  |             |   |  |
| 32 |                                     |  |                                  |             |   |  |
| 33 |                                     |  |                                  |             |   |  |
| 34 | Current<br>Liability &<br>Provision |  |                                  |             |   |  |
| 35 | Current<br>Liability                |  |                                  |             |   |  |
| 36 |                                     |  | Miscellaneous E                  | Expenditure | 2 |  |
| 37 |                                     |  |                                  |             |   |  |
| 38 |                                     |  |                                  |             |   |  |

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| 39 |               |      |      |      |             |      |      |      |
|----|---------------|------|------|------|-------------|------|------|------|
| 40 | Provisions    |      |      |      |             |      |      |      |
| 41 |               |      |      |      |             |      |      |      |
| 42 |               |      |      |      | PPL Account |      |      |      |
| 43 |               |      |      |      |             |      |      |      |
| 44 |               |      |      |      |             |      |      |      |
| 45 |               | 0.00 | 0.00 | 0.00 |             | 0.00 | 0.00 | 0.00 |
| 46 |               |      |      |      |             |      |      |      |
| 47 |               |      |      |      |             |      |      |      |
| 48 | Profit before |      |      |      |             |      |      |      |
| 49 |               |      |      |      |             |      |      |      |
| 50 | Net sales     |      |      |      |             |      |      |      |
| 51 |               |      |      |      |             |      |      |      |

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Guidelines for Project work in

### Accounting and Practical work in Computerized Accounting

| Cell<br>Reference                 | Use<br>Command | Need For    | Data<br>Type | Content                            |
|-----------------------------------|----------------|-------------|--------------|------------------------------------|
| A1                                | Merge A1:F1    | Enter Title | Text         | Balance Sheet as on                |
| A3 to H3                          | A3 to H3       | Enter Title | Text         | Headings                           |
| A4                                | A4             | Enter Title | Text         | Share Capital                      |
| A14                               | A14            | Enter Title | Text         | Reserves & Surplus                 |
| A21                               | A21            | Enter Title | Text         | Secured Loans                      |
| A27                               | A27            | Enter Title | Text         | Unsecured Loans                    |
| A34                               | A34            | Enter Title | Text         | Current Liabilities and Provision  |
| E4                                | E4             | Enter Title | Text         | Fixed Assets                       |
| E13                               | E13            | Enter Title | Text         | Investments                        |
| E18                               | E18            | Enter Title | Text         | Current Assets, Loans and advances |
| E20                               | E20            | Enter Title | Text         | Stock                              |
| E21                               | E21            | Enter Title | Text         | Prepaid Expenses                   |
| E36                               | E36            | Enter Title | Text         | Miscellaneous Expenditure          |
| E42                               | E42            | Enter Title | Text         | P/L Account (Debit Side if any)    |
| A48                               | A48            | Enter Title | Text         | Profit before Interest and Tax     |
| A50                               | A50            | Enter Title | Text         | Net Sales                          |
| (B45 To<br>D45) & (E45<br>To H45) |                |             | Formula      | = sum(above)                       |

**Note :** The user is required to enter the given amounts in cells B4 to D44, F4 to H44, B48 to D48 & B48 to B50 after having written their respective account heads in cells A4 to A44 & E4 to E44.

2. Create a 'Ratios' sheet (Figure 2) following the procedure given in table 2.

| Cell<br>Reference | Use<br>Command   | Need For                            | Data Type | Content  |
|-------------------|------------------|-------------------------------------|-----------|--|
| C2                |                  | Calculation of current assets       | Formula   | = SUM ('Data Entry'!F18:F35)                                   |
| C3                |                  | Calculation of current liabilities  | Formula   | =SUM ('Data Entry'! B34 : B44)                                 |
| D2                | Merge<br>D2:D3   | Calculation of<br>Current Ratio     | Formula   | =C2/C3   |
| C6                |                  | Calculation of<br>Liquid assets     | Formula   | =SUM ('Data Entry'!F22 : F35)                                  |
| C7                |                  | Calculation of current liabilities  | Formula   | = SUM ('Data Entry' ! B34 : B44)                               |
| D6                | Merge<br>D6 : D7 | Calculation of<br>Quick Ratio       | Formula   | =C6/C7   |
| C10               |                  | Calculation of<br>Long term debts   | Formula   | =SUM ('Data Entry' ! B21 : B26)                                |
| C11               |                  | Calculation of shareholders' fund   | Formula   | =SUM ('Data Entry'!B4 : B20)-<br>SUM ('Data Entry' !F36 : F44) |
| D10               | Merge<br>D10:D11 | Calculation of Debt<br>Equity Ratio | Formula   | =C10/C11   |
| C14               |                  | Calculation of<br>Shareholders fund | Formula   | =SUM ('Date Entry'! B4:B20)-<br>SUM ('Data Entry'! F36 : F44)  |
| C15               |                  | Calculation of Total<br>Assets      | Formula   | ='Data Entry'! F45-SUM ('Data<br>Entry'! F36 : F44)            |
| D14               | Merge<br>D14:D15 | Calculation of<br>Proprietary Ratio | Formula   | = C14/C15  |

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| C18 |                    | Calculation of Total                             | Formula | = 'Data Entry' ! F45-SUM ('Data<br>Entry'! F 36 : F44)            |
|-----|--------------------|--|---------|---|
| C19 |                    | Calculation of long<br>term debts                | Formula | =SUM ('Data Entry' B21 : B26)                                     |
| D18 | Merge<br>D18 : D19 | Calculation of Total asset to debt ratio         | Formula | =C18/C19  |
| C22 |                    | PBIT   | Linkage | ='Data Entry' !B48  |
| C23 |                    | Calculation of                                   | Formula | 'SUM ('Data Entry' !B4 : B26)-<br>SUM ('Data Entry'!F36 : F44)    |
| D22 | Merge<br>D22:D23   | Calculation of ROI                               | Formula | = C22/C23   |
| C26 |                    | Net Sales  | Linkage | = ('Data Entry'! B50  |
| C27 |                    | Calculation of<br>Working Capital                | Formula | =SUM ('Data Entry'! F18 : F 35)-<br>SUM ('Data Entry' ! (B34:B44) |
| D26 | Merge<br>D26"D27   | Calculation of<br>turnover ratio                 | Formula | =C26/C27  |
| C30 |                    | Net Sales  | Linkage | ='Data Entry'! B50  |
| C31 |                    | Calculation of Fixed                             | Formula | =SUM ('Data Entry' !F4 : F12)                                     |
| D30 | Merge<br>D30 : D31 | Calculation of Fixed<br>Assets turnover<br>ratio | Formula | =C30/C31  |

**Note:** Column A and B will be entered manually i.e. the names of ratios and formulae to calculate them.

(All steps listed below are for Year 1, steps for other years may be written on this basis).

- 3. Calculate the following ratios:
  - (i) Current ratio
  - (ii) Liquid ratio
  - (iii) Debt equity ratio
  - (iv) Proprietary ratio
  - (v) Total assets to debt ratio
  - (vi) Return on capital employed
  - (vii) Working capital turnover ratio
  - (viii) Fixed assets turnover ratio

### Sheet "Ratios"

Certain specified ratios will be calculated automatically in sheet (Ratios) as shown below:

| 012 | f <sub>x</sub>   |               |         |               |        |     |               |        |    |
|-----|--|---------------|---------|---------------|--------|-----|---------------|--------|----|
|     | Α  | B             | C D E   |               | ]      | F   | G             | Н      |    |
| 1   |  |               | Year-1  | -             | Year-  | 2   |               | Year-3 |    |
| 2   | $Current Ratio = \frac{Current Assets}{Current Liabilities}$ | $\frac{0}{0}$ | #DIV/0! | $\frac{0}{0}$ | #DIV   | /0! | $\frac{0}{0}$ | #DIV/  | )! |
| 3   |  |               |         |               |        |     |               |        |    |
| 4   |  |               |         |               |        |     |               |        |    |
| 5   |  |               |         |               |        |     |               |        |    |
| 6   | Quick Ratio= Liquid Assets<br>Current Liability              | $\frac{0}{0}$ | #DIV/0! | $\frac{0}{0}$ | #DIV/  | '0! | $\frac{0}{0}$ | #DIV/  | )! |
| 7   |  |               |         |               |        |     |               |        |    |
| 8   |  |               |         |               |        |     |               |        |    |
| 9   |  |               |         |               |        |     |               |        |    |
| 10  | Debt Equity Ratio<br>= Long Term Debts<br>Shareholders Fund  | $\frac{0}{0}$ | #DIV/0! | $\frac{0}{0}$ | # DIV, | /0! | $\frac{0}{0}$ | #DIV/  | )! |
| 11  |  |               |         |               |        |     |               |        |    |
| 12  |  |               |         |               |        |     |               |        |    |

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|    |   | 1             | 1       | 1             |          |               | 1           |
|----|---|---------------|---------|---------------|----------|---------------|-------------|
| 13 |   |               |         |               |          |               |             |
| 14 | Proprietary Ratio<br>= Shareholders Fund<br>Total Assets                                    | $\frac{0}{0}$ | #DIV/0! | $\frac{0}{0}$ | # DIV/0! | $\frac{0}{0}$ | #DIV 0!     |
| 15 |   |               |         |               |          |               |             |
| 16 |   |               |         |               |          |               |             |
| 17 |   |               |         |               |          |               |             |
| 18 | Total Assets to Debt Ratio<br>= Total Assets<br>Long Term Debts                             | $\frac{0}{0}$ | DIV/0!  | $\frac{0}{0}$ | DM/0!    | $\frac{0}{0}$ | #DI<br>V/0! |
| 19 |   |               |         |               |          |               |             |
| 20 |   |               |         |               |          |               |             |
| 21 |   |               |         |               |          |               |             |
| 22 | Return on Capital Employed<br>= <u>Profit before interest &amp; tax</u><br>Capital Employed | $\frac{0}{0}$ | #DIV/0! | $\frac{0}{0}$ | DM/0!    | $\frac{0}{0}$ | #DIV/0!     |
| 23 |   |               |         |               |          |               |             |
| 24 |   |               |         |               |          |               |             |
| 25 |   |               |         |               |          |               |             |
| 26 | Working Capital Turnover Ratio<br>= <u>Net Sales</u><br>Net Working Capital                 | $\frac{0}{0}$ | #DIV/0! | $\frac{0}{0}$ |          |               |             |
| 27 |   |               |         |               |          |               |             |
| 28 |   |               |         |               |          |               |             |
| 29 |   |               |         |               |          |               |             |
| 30 |   |               |         |               |          |               |             |
| 31 | Fixed Asset Turnover Ratio<br>= <u>Net Sales</u><br>Net Fixed Assets                        | $\frac{0}{0}$ | #DIV/0  | $\frac{0}{0}$ | #DIV/0   | $\frac{0}{0}$ | #DIV/0      |

Accounting and Practical work in Computerized Accounting

4. Create graphs/charts using the procedure given in table 3.

Cell A1 to A8, B1 to B8, C1, D1, E1 are to be entered manually.

| Cell Reference | Use Command | Data Type | Content     |
|----------------|-------------|-----------|-------------|
| C2             | C2          | Linkage   | =Ratios!D2  |
| C3             | C3          | Linkage   | =Ratios!D6  |
| C4             | C4          | Linkage   | =Ratio!D10  |
| C5             | C5          | Linkage   | =Ratios!D14 |
| C6             | C6          | Linkage   | =Ratios!D18 |
| C7             | C7          | Linkage   | =Ratio!D22  |
| C8             | C8          | Linkage   | =Ratios!26  |
| C9             | C9          | Linkage   | =Ratios!D30 |
| D2             | D2          | Linkage   | =Ratio!DF2  |
| D3             | D3          | Linkage   | =Ratios!F6  |
| D4             | D4          | Linkage   | =Ratios!F10 |
| D5             | D5          | Linkage   | =Ratios!F14 |
| D6             | D6          | Linkage   | =Ratios!F18 |
| D7             | D7          | Linkage   | =Ratios!F22 |
| D8             | D8          | Linkage   | =Ratios!F26 |
| D9             | D9          | Linkage   | =Ratios!F30 |
| E2             | E2          | Linkage   | =Ratios!H2  |
| E3             | E3          | Linkage   | =Ratios!H6  |
| E4             | E4          | Linkage   | =Ratios!H10 |
| E5             | E5          | Linkage   | =Ratios!H14 |
| E6             | E6          | Linkage   | =Ratios!H18 |
| E7             | E7          | Linkage   | =Ratios!H22 |
| E8             | E8          | Linkage   | =Ratios!H26 |
| E9             | E9          | Linkage   | =Ratios!H30 |

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With the help of data specified in cells B2 : E9 graphs using graphs function can be made.

## PROJECT-6

Preparation of a Bank Reconcitation statement.

### **Required:**

- 1. Consider the cash book and the Bank Statement of R. Pandya & Co. for the month of July, 2015.
- 2. Compare the transactions in both the books and identify the causes of difference manually.
- 3. Classify the causes and post them in the first sheet i.e., DATA ENTRY (figure 1) as for the steps given in table 1.

| Data    | Particulars  | Bank ₹  | Date    | Particulars       |      | Bank ₹  |
|---------|--------------|---------|---------|-------------------|------|---------|
| 2015    |              |         | 2015    |                   |      |         |
| July 01 | Balance B/d  | 756.20  | July 02 | Aditya            | 4450 | 50.00   |
| July 03 | Kanishq      | 220.00  | July 02 | Verma             | 4451 | 130.00  |
| July 15 | Rampal       | 330.00  | July 02 | Gayatri           | 4452 | 10.00   |
| July 31 | Sareen Bros. | 63.00   | July 08 | Mehta             | 4453 | 27.50   |
|         |              |         | July 14 | Mehta Ltd.        |      | 89.00   |
|         |              |         | July 14 | Kaushik           | 4454 | 49.00   |
|         |              |         | July 15 | Kriosk            | 4455 | 250.00  |
|         |              |         | July 26 | Insurance Premium | ı    | 122.00  |
|         |              |         | July 31 | Balance c/d       |      | 641.70  |
|         |              | 1369.20 |         |                   |      | 1369.20 |

### Cash Book R. Pandya & Co.

#### **Bank Statement**

| Account        | R. Pandya & Co. |
|----------------|-----------------|
| Account number | 79014456        |
| Ledger No.     | 17              |
| Date           | July 31, 2015   |

| Date    | Details            | Debit ₹ | Credit ₹ | Balance ₹    |
|---------|--------------------|---------|----------|--------------|
| 2015    |                    |         |          |              |
| July 01 | Balance            |         |          | 756.20 Cr.   |
| July 04 | Cheques            |         | 220.00   | 976.20 Cr.   |
| July 09 | 4450               | 50.00   |          | 926.20 Cr.   |
| July 14 | 4452               | 10.00   |          | 916.20 Cr.   |
| July 16 | Subhash & Co. (DD) | 89.00   |          | 827.20 Cr.   |
| July 19 | Cheques            |         | 330.00   | 1,157.20 Cr. |
| July 24 | 4455               | 250.00  |          | 907.20 Cr.   |
| July 26 | Insurance Premium  | 122.00  |          | 785.20 Cr.   |
| July 30 | 4454               | 49.00   |          | 736.20 Cr.   |
| July 31 | Bank Charges       | 12.95   |          | 723.25 Cr.   |
| July 31 | Ruchita Limited    |         | 179.75   | 903.00 Cr.   |

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The following steps are followed for sheet (Data Entry)

| Cell<br>Reference | Use Command            | Need For    | Data Type | Content   |
|-------------------|------------------------|-------------|-----------|---|
| A1                | A1                     | Enter Title | Text      | Name of the Firm                                |
| D1                | Merge Cells<br>D1 : G1 | Enter Title | Text      | Enter the name of the Org. "R.<br>Pandya & Co." |
| A3                | A3                     | Enter Title | Text      | Bank Reconciliation Statement as on             |
| D3                | Merge Cells<br>D3:G3   | Enter Title | Date      | Enter the date "31-07-2005"                     |
| A5                | A5                     | Enter Title | Text      | Balance as per Cash Book                        |
| D5                | Merge Cells<br>D5 : G5 | Enter Title | Number    | Enter the balance of CB "641.70"                |
| A7                | A7                     | Enter Title | Text      | Balance as per Pass Book                        |
| D7                | Merge Cells<br>D7 : G7 | Enter Title | Number    | Enter the balance of PB "903.00"                |

| A10       | A10 | Enter Title               | Text    | Cheques issued during the month  |
|-----------|-----|---------------------------|---------|--|
| A12:F17   |     |                           |         | Values to be entered Manualy   |
| F12 :F21  |     | Listing<br>between<br>Y/N | Text    | Function to be used for Listing<br>DATA-Validation-setting-allow<br>(List) source; Y,N   |
| G12:G21   |     |                           | Formula | Formula Used<br>=if ((f12 = "Y"), 0, E 12) and<br>copy the same from G12 to G13<br>: G21 |
| G22       |     |                           | Formula | Formula=Sum (G12:G21)  |
| A24       | A24 | Enter Title               | Text    | Cheques Deposited during the month   |
| A26:F37   |     |                           |         | Values to be entered Manually  |
| F26:G37   |     |                           | Formula | Formula Used<br>= if ((f26="Y"), 0,E26) and copy<br>the same from G26 to G27:G37         |
| G38       |     |                           | Formula | Formula=Sum (G26:G37)  |
| A40       | A40 | Enter Title               | Text    | Cheque directly deposited by customer  |
| A42 : E46 |     |                           |         | Values to be entered manually  |
| E47       |     |                           | Formula | =Sum(E42:E47)  |
| A49       | A49 | Enter Title               | Text    | Cheque dishonoured   |
| A51 :E55  |     |                           |         | Values to be entered manually  |
| E56       |     |                           | Formula | =Sum (E51:E56)   |
| A58       | A58 | Enter Title               | Text    | Debits in Pass Book  |
| A60:D63   |     |                           |         | Values to be entered manually  |
| D64       |     |                           | Formula | =Sum (D61:D63)   |
| A66       | A66 | Enter Title               | Text    | Credit in Pass Book  |

| A68:D71 |     |             |         | Values to be entered manually |
|---------|-----|-------------|---------|-------------------------------|
| D72     |     |             | Formula | =Sum (D68:D71)                |
| A74     | A74 | Enter Title | Text    | Wrong Credits in Cash Book    |
| A76:D79 |     |             |         | Values to be entered manually |
| D80     |     |             | Formula | =Sum (D76:D79)                |
| A82     | A82 | Enter Title | Text    | Wrong Debits in Cash Book     |
| A84:D87 |     |             |         | Values to be entered manually |
| D88     |     |             | Formula | =Sum (D84:D87)                |

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4. Using the steps shown in Table-2, show the output in the form of a bank reconciliation statement.







## **CENTRAL BOARD OF SECONDARY EDUCATION**

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