## PAPER - 18 - CORPORATE FINANCIAL REPORTING

## Answer to PTP_Final_Syllabus 2012_Dec 2015_Set 3

The following table lists the learning objectives and the verbs that appear in the syllabus learning aims and examination questions:

|  | Learning objectives | Verbs used | Definition |
| :---: | :---: | :---: | :---: |
|  | KNOWLEDGE <br> What you are expected to know | List | Make a list of |
|  |  | State | Express, fully or clearly, the details/facts |
|  |  | Define | Give the exact meaning of |
| U$\underset{\sim}{3}$$\underset{\sim}{3}$ | COMPREHENSION <br> What you are expected to understand | Describe | Communicate the key features of |
|  |  | Distinguish | Highlight the differences between |
|  |  | Explain | Make clear or intelligible/ state the meaning or purpose of |
|  |  | Identity | Recognize, establish or select after consideration |
|  |  | Illustrate | Use an example to describe or explain something |
|  | APPLICATION <br> How you are expected to apply your knowledge | Apply | Put to practical use |
|  |  | Calculate | Ascertain or reckon mathematically |
|  |  | Demonstrate | Prove with certainty or exhibit by practical means |
|  |  | Prepare | Make or get ready for use |
|  |  | Reconcile | Make or prove consistent/ compatible |
|  |  | Solve | Find an answer to |
|  |  | Tabulate | Arrange in a table |
|  | ANALYSIS <br> How you are expected to analyse the detail of what you have learned | Analyse | Examine in detail the structure of |
|  |  | Categorise | Place into a defined class or division |
|  |  | Compare and contrast | Show the similarities and/or differences between |
|  |  | Construct | Build up or compile |
|  |  | Prioritise | Place in order of priority or sequence for action |
|  |  | Produce | Create or bring into existence |
|  | SYNTHESIS <br> How you are expected to utilize the information gathered to reach an optimum conclusion by a process of reasoning | Discuss | Examine in detail by argument |
|  |  | Interpret | Translate into intelligible or familiar terms |
|  |  | Decide | To solve or conclude |
|  | EVALUATION <br> How you are expected to use your learning to evaluate, make decisions or recommendations | Advise | Counsel, inform or notify |
|  |  | Evaluate | Appraise or asses the value of |
|  |  | Recommend | Propose a course of action |

## Paper - 18 - Corporate Financial Reporting

Full Marks: 100
Time allowed-3hrs
This paper contains 5 questions, divided in sub-questions. Each question represents the specified weightage in sections as prescribed syllabus for this paper. Answers must be given against all questions. However, students are requested to read the instructions against each individual question also. All workings must form part of your answer. Assumptions, if any, must be clearly indicated.

Question No. 1 is compulsory.

1. (a) An enterprise reports quarterly, estimates an annual income of ₹ 10 lakhs. Assume tax rates on $1^{\text {st }} ₹ 5,00,000$ at $30 \%$ and on the balance income at $40 \%$. The estimated quarterly income are ₹ 75,000 , ₹ $2,50,000$, ₹ $3,75,000$ and ₹ $3,00,000$.
Calculate the tax expense to be recognized in each quarter.
(b) Vishnu Company has at its financial year ended 31 ${ }^{\text {st }}$ March, 2015, fifteen law suits outstanding none of which has been settled by the time the accounts are approved by the directors. The directors have estimated the possible outcomes as below:

| Result | Probability | Amount of loss |
| :--- | ---: | ---: |
| For first ten cases: | 0.6 |  |
| Win | 0.3 | 90,000 |
| Loss-low damages | 0.1 | $1,60,000$ |
| Loss-high damages |  |  |
| For remaining five cases: | 0.5 |  |
| Win | 0.3 | 60,000 |
| Loss-low damages | 0.2 | 95,000 |
| Loss-high damages |  |  |

The directors believe that the outcome of each is independent of the outcome of all the others.
Estimate the amount of contingent loss and state the accounting treatment of such contingent loss.

Answer:

1. (a)

As per AS 25 'Interim Financial Reporting', income tax expense is recognized in each interim period based on the best estimate of the weighted average annual income tax rate expected for the full financial year.

|  |  | $₹$ |
| :--- | :---: | :---: |
| Estimated Annual Income | (A) | $\underline{10,00,000}$ |
| Tax expenses: |  |  |
| $30 \%$ on ₹ $5,00,000$ |  | $1,50,000$ |
| $40 \%$ on earning ₹ $5,00,000$ |  | $\underline{2,00,000}$ |

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|  | (B) | $\underline{3,50,000}$ |
| :--- | :--- | :--- |

Weighted average annual income tax rate $=\frac{B}{A}=\frac{3,50,000}{10,00,000}=35 \%$

| Tax expense to be recognized in each of the quarterly reports |  | $₹$ |
| :--- | :--- | ---: |
| Quarter I | - | $₹ 75,000 \times 35 \%$ |
| Quarter II | - | $₹ 2,50,000 \times 35 \%$ |
| Quarter III | - | $₹ 3,75,000 \times 35 \%$ |
| Quarter IV | - | $₹ 3,00,000 \times 35 \%$ |
|  | $₹ 10,00,000$ | 87,500 |
|  | 21,250 |  |

## 1. (b)

In the given case, the probability of winning first 10 cases is $60 \%$ and for remaining five cases is $50 \%$. In other words, probability of losing 10 cases and 5 cases is $40 \%$ and $50 \%$ respectively. According to AS 29 "Provisions, Contingent Liabilities and Contingent Assets", where it is not probable that a present obligation exists, an enterprise discloses a contingent liability. Since in the given case, chances of winning the case is more and losing the case is less, no provision will be recognized.
The amount of contingent loss may be calculated as under:
Expected contingent loss in first ten cases $=[₹ 90,000 \times 0.3+₹ 1,60,000 \times 0.1] \times 10$ cases

$$
\begin{aligned}
& =[₹ 27,000+₹ 16,000] \times 10 \text { cases } \\
& =₹ 43,000 \times 10 \text { cases }=₹ 4,30,000
\end{aligned}
$$

Expected contingent loss in remaining five cases $=[₹ 60,000 \times 0.3+₹ 95,000 \times 0.2] \times 5$ cases

$$
\begin{aligned}
& =[₹ 18,000+₹ 19,000] \times 5 \text { cases } \\
& =₹ 4,30,000+₹ 1,85,000 \\
& =₹ 6,15,000 .
\end{aligned}
$$

Total contingent liability

An enterprise should not recognise a contingent liability. For each class of contingent loss/liability at the balance sheet date, an enterprise should disclose, by way of a note, a brief description of the nature of the contingent liability.

Question No. 2: Answer to Question No. 2(a) is Compulsory. Answer any two from the remaining subquestions.
2. (a) The following are the Balance Sheets of Big Ltd \& Small Ltd for the year ending 31 ${ }^{\text {st }}$ March (₹ Crores)

| Particulars | Big Ltd | Small Ltd |
| :--- | ---: | ---: |
| Equity Share Capital - in Equity Shares of ₹ 10 each | $\mathbf{5 0}$ | 40 |
| Preference Share Capital - in $10 \%$ Preference Shares of ₹ 100 each | - | 60 |
| Reserves and Surplus | 200 | 150 |
| Total Own Funds | 250 | 250 |
| Loans - Secured | 100 | 100 |
| Total Funds Employed | 350 | 350 |
| Applied for: Fixed Assets at Cost Less Depreciation | 150 | $\mathbf{1 5 0}$ |

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| Current Assets Less Current Liabilities | 200 | 200 |
| :--- | ---: | ---: |
| Total Application of Funds | 350 | 350 |

The Present Worth of Fixed Assets of Big Ltd and Small Ltd is ₹ 200 Crores and ₹ 429 Crores respectively. Goodwill of Big Ltd is ₹ 40 Crores and that of Small Ltd is₹ 75 Crores.

Small Ltd absorbs Big Ltd by issuing Equity Shares at par in such a way that Intrinsic Net Worth is maintained.

Goodwill Account is not to appear in the books. Fixed Assets are to appear at old figures.
Draft a statement of Valuation of Shares on Intrinsic Value Basis.

## Answer:

2. (a) Valuation of Shares on Intrinsic Value basis

| Particulars | Big Ltd | Small Ltd |
| :--- | ---: | ---: |
| Equity Share Capital | 50 | 40 |
| Reserves and Surplus | 200 | 150 |
| Add: Goodwill agreed upon (as given) | 40 | 75 |
| Add: Incr. in Value of Fixed Assets (Present Worth less Book | $200-150=50$ | $429-150=279$ |
| Value) |  |  |
| Total Net Worth | $\mathbf{3 4 0}$ | $\mathbf{5 4 4}$ |
| Alternatively, Net Worth can be calculated by the Assets |  |  |
| Route as below: | 40 |  |
| Goodwill | 200 | 75 |
| Fixed Assets | 200 | 429 |
| Net Current Assets | $(100)$ | 200 |
| Less: Secured Loans | - | $(60)$ |
| Preference Capital | $\mathbf{3 4 0}$ | $\mathbf{5 4 4}$ |
| Net Equity Worth | 5 Crores | 4 Crores |
| Number of Equity Shares | $₹ 68$ | ₹ 136 |
| Intrinsic Value per Equity Share | 1 | 2 |
| Ratio of Intrinsic Value per Equity Share |  |  |

## Notes:

1. Number of Shares to be issued: Since the Shares are to be issued at par, the number of Equity Shares of ₹ 10 each to be issued to maintain the Intrinsic Net Worth $=\frac{₹ 5 \text { Crores }}{2}=2.5$ Crores Shares.
2. General Reserve: Net Assets taken over - Purchase Consideration $=(150+200-100)-25=225$ Crores.
3. (b) Uma Limited agrees to acquire, as a going concern, the business of the Vidya Limited, on the basis of the Vendor's Balance Sheet as $31^{\text {st }}$ December, which is as follows:

| Equity and Liabilities | $₹$ | Assets | ₹ |
| :--- | :--- | :--- | :---: |

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| (1) Shareholders' Funds: |  | (1) Non-Current Assets: |  |  |
| :---: | :---: | :---: | :---: | :---: |
| (a) Share Capital |  | (a) | Fixed Assets: (i) Tangible Assets |  |
| - 20,000 Equity Shares called up of ₹ 30 each | 6,00,000 |  | - Freehold Property | 2,50,000 |
| (b) Reserves \& Surplus $\begin{array}{ll}\text { (i) Reserve Fund } \\ & \text { (ii) Profit \& Loss A/c }\end{array}$ | $\begin{array}{r} 1,25,000 \\ 60,000 \\ \hline \end{array}$ |  | - Plant \& Machinery | 50,000 |
|  |  | (b) | Non-Current Investments - 6\% Govt Paper | 10,000 |
| Current Liabilities: |  | (2) Current Assets: |  |  |
| Trade Payables - Sundry Creditors | 75,000 | (b) | ```Inventories Trade Receivables (Sundry Debtors 2,30,000 - Reserve 10,000)``` | $3,00,000$ 2,20,000 |
|  |  | (c) | Cash \& Cash Equivalents | 30,000 |
| Total | 8,60,000 |  | Total | 8,60,000 |

Note: Authorised Capital - 25,000 Shares of ₹ 50 each and Issued Capital-20,000 Shares of ₹ 50 each. Reserve of ₹ 10,000 is created in respect of Bad Debts.
Uma Limited took over all Assets and Liabilities of the Vendor Company, subject to the retention out of such Assets of $₹ 15,000$ to provide for Cost of Liquidation, Income-Tax etc. and to satisfy any dissenting Shareholders.

The consideration for the Sale is the allotment to the Shareholders in the Vendor Company of one Share of ₹100 ( $₹ 50$ paid-up) in Uma Ltd for every two shares in Vidya Limited. The Market Value of Uma Ltd's Shares, which are ₹ 50 paid-up, at date of sale is $₹ 70$ each.

The Liquidator of the Vendor Company had paid out of $₹ 15,000$ retained, costs of Liquidation amounting to ₹ 2,500 , Income-Tax ₹ 7,500 and Dissenting Shareholders of 100 Shares at ₹ 32.50 per share, i.e. ₹ 3,250.

The Sale and Purchase were carried through in terms of the agreement. Pass the necessary entries in the books of Vidya Ltd.

Answer:

## 1. Basic Information

| Selling Co: Vidya Ltd | Date of Amalgamation: 31st Dec | Nature of Amalgamation: <br> Purchase (Income Tax payable i.e. <br> Buying Co: Uma Ltd <br> Liaility is not taken over. Hence, all the <br> Assets and Liabilities condition is not <br> satisfied) |
| :--- | :--- | :--- |

2. Purchase Consideration is the amount paid to Assenting Shareholders only and is calculated as below -

- Number of Shares (for Assenting Shareholders) = Total - Dissenting Shareholders = 20,000-100 = 19,900.
- Number of Shares of Uma Ltd, issuable to Assenting Shareholders $=19,900 \div 2=9,950$ Shares.
- Purchase Consideration at ₹ 70 per Share $=₹ 70 \times 9,950=₹ \mathbf{6 , 9 6 , 5 0 0}$


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## 3. Entries in the Books of Vidya Ltd (Vendor)

|  | Particulars | Debit | Credit |
| :---: | :---: | :---: | :---: |
| 1. | Realisation A/C <br> To Freehold Property <br> To Plant \& Machinery <br> To Stock <br> To Debtors <br> To Bank (30,000-15,000) <br> To 6\% Government Paper <br> (Being Assets transferred to Realization A/c excluding Cash ₹15,000 for Lian Expenses) | 8,55,000 | $\begin{array}{r} 2,50,000 \\ 50,000 \\ 3,00,000 \\ 2,30,000 \\ 15,000 \\ 10,000 \end{array}$ |
| 2. | Reserves for Bad Debts Dr. <br> Creditors Dr. <br> $\quad$ To Realisation A/c  <br> (Being Liabilities transferred to realization account)  | $\begin{aligned} & 10,000 \\ & 75,000 \end{aligned}$ | 85,000 |
| 3. | Uma Ltd. <br> To Realisation A/C <br> (Being Purchase Consideration due recorded) | 6,96,500 | 6,96,500 |
| 4. | Equity Shares of Uma Ltd <br> To Uma Ltd <br> (Being settlement of purchase consideration received as shares) | 6,96,500 | 6,96,500 |
| 5. | Equity Share Capital ( $100 \times 30$ ) Realisation A/c (balancing figure) $\quad$ To Bank (Being Purchase / Buyback of dissenting Shareholders interest) |  | 3,250 |
| 6. | Realisation A/C <br> To Bank <br> (Being Realization Expenses ₹ 2,500 \& Taxes ₹ $7,500 \mathrm{met}$ ) | 10,000 | 10,000 |
| 7. | Equity Share Capital (6,00,000-3,000) Dr. <br> Reserve Fund Dr. <br> Profit and Loss A/c Dr. <br> To Equity Shareholders A/c  <br> (Being Transfer of Paid Up Capital \& Reserves of assenting Equity <br> Shareholders)  | $\begin{array}{r} \hline \text { 5,97,000 } \\ 1,25,000 \\ 60,000 \end{array}$ | 7,82,000 |
| 8. | Equity Shareholders A/C <br> To Realisation A/c <br> (Being Realisation Profit / Loss transferred to Equity Shareholders) | 83,750 | 83,750 |
| 9. | Equity Shareholders A/c <br> To Equity Shares of Uma Ltd. <br> To Bank (15,000-7,500-2,500-3,250) <br> (Being Equity Shareholders due settled) | 6,98,250 | $\begin{array}{r} 6,96,500 \\ 1,750 \end{array}$ |

Note: It is assumed that the balance in Bank A/c after payment of expenses is attributable to assenting shareholders. However, it can be assumed that the Balance is to be taken over by Uma Ltd. The Capital Reserve shall undergo a change correspondingly.
2. (c) (i)The following is the Balance Sheet of A Ltd.

| Liabilities | ₹ |
| :--- | ---: |
| Equity Share Capital | $4,00,000$ |
| Reserves and Surplus | $8,00,000$ |
| Secured Loan | $4,00,000$ |
| Unsecured Loans | $12,00,000$ |
|  | $28,00,000$ |
|  | ₹ |
| Assets | $\mathbf{1 4 , 0 0 , 0 0 0}$ |
| Fixed Assets | $8,00,000$ |
| Investments | $8,00,000$ |
| (Market Value ₹ 18,00,000) | $\mathbf{( 2 , 0 0 , 0 0 0 )}$ |
| Current Assets | $6,00,000$ |
| Less: Current liabilities | $28,00,000$ |

The company consists of three divisions. The scheme was agreed upon, according to which a new company AD Ltd. is to be formed. It will takeover investments at ₹ $18,00,000$ and unsecured loans at balance sheet value. It is to allot equity shares of ₹ 10 each at par to the shareholders of $\mathbf{A}$ Ltd. in satisfaction of the amount due under the arrangement. The scheme was duly approved by the High Court. Pass journal entries in the books of A Ltd.
(ii) Describe the treatment of Negative Goodwill in amalgamation as purchase.

Answer:
In the Books of A Ltd.

[Being allotment by AD Ltd. of 60,000 Equity shares
of ₹ 10 each to shareholders of the company]
4. Shareholders A/c
To Capital Reserve
[Being balance in Shareholders A/c transferred to
Capital Reserve]
(ii) If the consideration paid for amalgamation is less than the net assets of the transferor company, the difference is called Negative Goodwill. This should be recognized in the transferee company's financial statements as capital reserve.
Example: D Ltd. acquired the net assets of $S$ Ltd. for a total consideration of ₹ 25 lakhs. The fair value of net assets of $S$ Ltd is ₹ 40 lakhs. In the above case, the difference of ₹ 15 lakhs constitutes Negative Goodwill. This should be recognized as Capital Reserve in the financial statements of D Ltd.
2. (d) Long Ltd \& Short Ltd were amalgamated on and from 1st April. A new Company Moderate Ltd was formed to take over the business of the existing companies. The Balance Sheets of Long Ltd and Short Ltd on the date of amalgamation are given below - (₹ in Lakhs)

| Equity and Liabilities | Long | Short | Assets | Long | Short |
| :---: | :---: | :---: | :---: | :---: | :---: |
| (1) Shareholders' Funds: |  |  | (1) Non-Current Assets: |  |  |
| (a) Share Capital | 850 | 725 | (a) Fixed Assets - Tangible |  |  |
| (i) Equity Shares of ₹ 100 |  |  | Assets |  |  |
| (ii) $14 \%$ Pref. Shares of ₹ 100 | 320 | 175 | (i) Land \& Building | 460 | 275 |
| (b) Reserves \& Surplus |  |  | (ii) Plant \& Machinery | 325 | 210 |
| (i) Revaluation Reserve | 125 | 80 | (b) Non-Current Investments | 75 | 50 |
| (ii) General Reserve | 240 | 160 | (2) Current Assets: |  |  |
| (iii) Investment Allowance Reserve | 50 | 30 | (a) Inventories | 325 | 269 |
| (iv) Profit \& Loss Account | 75 | 52 | (b) Trade Receivables |  |  |
|  |  |  | (i) Debtors | 305 | 270 |
| (2) Non-Current Liabilities: |  |  | (ii) Bills Receivable | 25 | - |
| Long Term Borrowings |  |  | (c) Cash \& Cash Equivalents | 385 | 251 |
| (i) Secured Loans - Debentures (₹ 100) | 50 | 28 |  |  |  |
| (ii) Unsecured Loans - Public Deposit <br> (3) Current Liabilities: | 25 | - |  |  |  |
| Trade Payables <br> (i) Sundry Creditors <br> (ii) Bills Payable | $\begin{array}{r} 145 \\ 20 \\ \hline \end{array}$ | 75 |  |  |  |
| Total | 19,00 | 13,25 | Total | 19,00 | 13,25 |

Other information -
$13 \%$ Debenture holders of Long Ltd \& Short Ltd are discharged by Moderate Ltd by issuing such number of its $15 \%$ Debentures of $₹ 100$ each so as to maintain the same amount of interest.

Preference Shareholders of the two Companies are issued equivalent number of $15 \%$ Preference Shares of Moderate Ltd at a price of ₹ 125 per share (Face Value - ₹ 100)
Moderate Ltd will issue 4 Equity Shares for each Equity Share of Long Ltd and 3 Equity Shares for each Equity Share of Short Ltd. The Shares are to be issued at ₹ 35 each having a Face Value of $₹ 10$ per share.

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Investment Allowance Reserve is to be maintained for two more years.
Calculate the securities premium amount and also the value of goodwill/capital reserve on the basis of the following assumption that it is the nature of Purchase.
[10]
Answer:

| 1. Basic Information |  |  |
| :--- | :--- | ---: |
| Selling Co: Long Ltd, Short Ltd | Date of Balance Sheet: 1st April | Nature of Amalgamation: <br> Purchase (as given in the question) |
| Buying Co: Moderate Ltd | Date of Amalgamation: 1st April |  |

2. Computation of Purchase Consideration
(₹ Lakhs)

| Particulars | Long Ltd | Short Ltd |  |
| :--- | :--- | :--- | :--- |
| Preference Share Holders: | $3,20,000$ Shares of ₹ 125 each | 400.00 |  |
|  | $1,75,000$ Shares of ₹ 125 each |  | 218.75 |
| Equity Share Holders: | $4 \times 8,50,000=34,00,000$ Shares of ₹ 35 each  <br>  $3 \times 7,25,000=21,75,000$ Shares of ₹ 35 each | $11,90.00$ |  |
| Total |  | $1,590.00$ | 980.00 |

## 3. Computation of Share Premium

| Particulars | Share Capital | Securities Premium | Total Amount |
| :--- | ---: | ---: | ---: |
| Preference Share Capital | $4,95,000 \times ₹ 100=$ | $4,95,000 \times ₹ 25=$ |  |
| $=(3,20,000+1,75,000)=4,95,000$ Shares | $4,95,00,000$ | $1,23,75,000$ | $6,18,75,000$ |
| Equity Share Capital | $55,75,000 \times ₹ 10=$ | $55,75,000 \times ₹ 25=$ |  |
| $=(34,00,000+21,75,000)=55,75,000$ Shares | $5,57,50,000$ | $13,93,75,000$ | $19,51,25,000$ |
| Total | $\mathbf{1 0 , 5 2 , 5 0 , 0 0 0}$ | $\mathbf{1 5 , 1 7 , 5 0 , 0 0 0}$ | $\mathbf{2 5 , 7 0 , 0 0 , 0 0 0}$ |

4. Computation of Goodwill / Capital Reserve on "Purchase"

| Particulars | Long Ltd | Short Ltd |  |
| :--- | :--- | ---: | ---: |
| Assets Taken over: | Land \& Building | 460.00 | 275.00 |
|  | Plant \& Machinery | 325.00 | 210.00 |
|  | Investments | 75.00 | 50.00 |
|  | Stock | 325.00 | 269.00 |
|  | Sundry Debtors | 305.00 | 270.00 |
|  | Bills Receivable | 25.00 | - |
|  | Cash \& Bank | 385.00 | 251.00 |
| Total | $\mathbf{1 , 9 0 0 . 0 0}$ | $\mathbf{1 , 3 2 5 . 0 0}$ |  |
| Liabilities Taken Over: 13\% Debentures | 43.33 | 24.27 |  |
|  | 25.00 | - |  |
|  | Public Deposits | 145.00 | 75.00 |
|  | Sundry Creditors | 20.00 | - |
| Bills Payable | $\mathbf{1 , 6 6 6 . 6 7}$ | $\mathbf{1 , 2 2 5 . 7 3}$ |  |
| Net Assets Taken over | $(1,590.00)$ | $\mathbf{1 9 8 0 . 0 0 )}$ |  |
|  | Purchase Consideration | $\mathbf{7 6 . 6 7}$ | $\mathbf{2 4 5 . 7 3}$ |

Question No. 3: Answer to question No. 3(a) is Compulsory. Also answer any one from the remaining sub-questions.

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3. (a) The Balance Sheets of Labh Ltd and Nasht Ltd as at $31^{\text {st }}$ December are given below - (₹ 000s)

| Equity and Liabilities | Labh | Nasht | Assets |  | Labh | Nasht |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| (1) Shareholders' Funds: |  |  |  | Non-Current Assets: |  |  |
| (a) Share Capital | 25,00 | 6,00 |  | (a) Fixed Assets | 40,00 | 5,00 |
| (b) Reserves \& Surplus |  |  |  | (b) Non-Current Investments |  |  |
| (i) General Reserve | 16,00 | - |  | -60\% Stake in Nasht | 5,00 |  |
| (ii) Profit \& Loss Account | 14,00 | $(9,50)$ |  | (c) Other Non-Current Assets |  |  |
| (2) Non-Current Liabilities: |  |  |  | - Preliminary Expenses | - | 50 |
| Long Term Borrowings - 8\% | 5,00 | 4,00 |  | Current Assets: |  |  |
| (3) Debentures |  |  |  |  |  |  |
| (3) Current Liabilities: |  |  |  | (a) Inventories | 25,00 | 2,00 |
| (a) Short Term Borrowings - |  |  |  | (b) Trade Receivables |  |  |
| Bank OD | 20,00 | 7,00 |  |  |  |  |
| (b) Trade Payables - Sundry Crs | 10,00 | 3,00 |  | - Sundry Debtors | 20,00 | 3,00 |
| Total | 90,00 | 10,50 | Tota |  | 90,00 | 10,50 |

When Labh Ltd acquired the Shares in Nasht Ltd, the P\&L A/c of Nasht reflected a balance of ₹ $2,00,000$ (Dr.). Prepare a statement showing the consolidation of balances and also calculate the amount of minority interest under the following situations-

1. Minority Shareholders are not under any express obligation to make good the Losses.
2. Minority Shareholders are required to make good their Share of Losses subject to a maximum of
(a) ₹ 1,00 (000's), and (b) ₹ $2,00(000$ 's).
[10]

Answer:

## 1. Basic Information

| Company Status | Dates | Holding Status |  |  |
| :--- | :--- | :--- | :--- | :--- | :--- |
| Holding Company $=$ Labh | Acquisition: Not Given | Holding Company | $=60 \%$ |  |
| Subsidiary | $=$ Nasht | Consolidation: 31st December | Minority Interest | $=40 \%$ |

2. Analysis of Reserves of Nasht Ltd (₹ 000's)
(a) Profit and Loss Account

Balance as per Balance Sheet (₹ 9,50 )

(Capital Profit)


Group Interest-Pre
Minority Interest
Group Interest-Post
Minority Interes $\dagger$
$=(2,00) \times 60 \%=(1,20)=(2,00) \times 40 \%=(8,0)=(7,50) \times 60 \%=(4,50)=(7,50) \times 40 \%=(3,00)$
(b) Preliminary Expenses: ₹ $\mathbf{5 0 ( 0 0 0}$ 's) - Assumed to continue from date of acquisition.
3. Consolidation of Balances ( $₹ \mathbf{0 0 0}$ 's)

| Particulars | Total | Minority Interest | PreAcquisition | Post Acquisition |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Nasht Ltd (Holding - 60\%, Minority - 40\%) |  |  |  | Gen. Res. | P\&L A/C |
| Equity Capital | 600 | 240 | 360 |  |  |
| General Reserve | - | - | - | - | - |
| Profit and Loss A/C | (950) | (380) | (120) |  | (450) |
| Preliminary Expenses | (50) | (20) | (30) |  |  |
| Minority Interest |  | (160) |  |  |  |
| Total [Cr] |  |  | 210 |  | (450) |
| Cost of Investment [Dr.] |  |  | (500) |  |  |
| Parent's Balances |  |  |  | 1,600 | 1,400 |
| For Consolidated Balance Sheet |  |  | (G/w) (290) | 1,600 | (950) |

4. Consolidation of Profit \& Loss Account (₹ 000 's)

| Obligation on Minority = Upto ₹ | NIL | $\mathbf{1 , 0 0}$ | $\mathbf{2 , 0 0}$ |
| :--- | ---: | ---: | ---: |
| Balance before Adjusting for Negative Minority Interest | $\mathbf{9 , 5 0}$ | $\mathbf{9 , 5 0}$ | $\mathbf{9 , 5 0}$ |
| Less: Minority Interest - (Loss to the extent not borne by Minority |  |  |  |
| adjusted against Group Profits) i.e. Minority Loss Less | $(1,60)$ | $(60)$ | - |
| Obligation of Minority to make good the losses restricted <br> to actual Loss to Minority | $(160-100)$ | $(160-200)$ |  |
| Balance in P\&L for Consolidated Balance Sheet | $\mathbf{7 , 9 0}$ | $\mathbf{8 , 9 0}$ | $\mathbf{9 , 5 0}$ |

3. (b) Guru Ltd acquired control in Sishya Ltd a few years back when Sishya Ltd had ₹ 25,000 in Reserve and ₹ 14,000 (Cr.) in Profit \& Loss Account. Plant Account (Book Value ₹ 66,000 ) of Sishya Ltd was revalued at ₹ 62,000 on the date of purchase. Equity Dividend of ₹ 7,500 was received by Guru Ltd out of pre-acquisition Profit and the amount was correctly treated by Guru Ltd. Debenture Interest has been paid upto date.
Following are the Balance Sheets of Guru Ltd and Sishya Ltd as at 31st December (₹ 000s) -

| Equity and Liabilities | Guru | Sishya | Assets | Guru | Sishya |
| :---: | ---: | ---: | :--- | ---: | ---: | ---: |
| (1) Shareholders' Funds: |  |  | (1) Non-Current Assets: |  |  |
| (a) Share Capital |  |  | (a) Fixed Assets - (i) <br> Tangible |  |  |
| (i) Equity Shares of (₹ 10) | 500 | 100 | - Land \& Buildings | 200 | 50 |
| (ii)6\% Pref. Shares of (₹ 100) | 100 | 50 | - Plant \& Machinery | 105 | 100 |
| (b) Reserves \& Surplus |  |  | (ii) Intangible - Goodwill | 50 | 30 |
| (i) General Reserve | 30 | 30 | (b) Non-Current Invt - in <br> Sishya |  |  |
| (ii)Profit \& Loss Account | 40 | 12 | -300 Preference Shares | 28 | NIL |
| (2) Non-Current Liabilities: |  |  | $-7,500$ Equity Shares | 85 | NIL |
| Long Term Borrowings |  |  | - Debentures (FV ₹50,000) | 45 | NIL |
| - 6\% Debentures | NIL | 100 | (2) Current Assets: |  |  |
| (3) Current Liabilities: |  |  | (a) Inventories | 130 | 100 |
| (a) Short Term Borrowings |  | (b) Trade Receivables |  |  |  |
| - Due to Sishya Ltd | 10 | NIL | (i) Debtors | 90 | 50 |
| (b) Trade Payables (i) Sundry Crs | 90 | 60 | (ii) Bills Receivable | 30 | 10 |

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| (ii) Bills Payable | 20 | 25 | (c) Cash \& Cash Equivalents <br> (d) Short Term Loans \& Adv | 27 | 25 |
| :---: | ---: | ---: | :---: | ---: | ---: |
|  |  |  | - Due from Guru Ltd | NIL | 12 |
| Total | 790 | 377 | Total | 790 | 377 |

Prepare Consolidated Balance Sheet as at 31st December from the above, and following additional information -

1. Cheque of $₹ 2,000$ sent by Guru Ltd to Sishya Ltd was in transit.
2. Bills Receivable of Sishya Ltd are due from Guru Ltd.
3. Balance Sheet of Sishya Ltd was prepared before providing for 6 months dividend on Preference Shares, the first half being already paid.
4. Both the Companies have proposed Preference Dividend only, but no effect has been given in the accounts.
5. Stock of Guru includes ₹ 6,000 purchased from Sishya on which Sishya made $20 \%$ Profit on Cost. Stock of Sishya includes 710,000 purchased from Guru on which Guru made $10 \%$ Profit on Selling Price.
6. Since acquisition, Sishya has written off $30 \%$ of the Book Value of Plant as on date of acquisition by way of depreciation.
[15]

## Answer:

1. Basic Information

| Company Status | Dates | Holding Status |  |  |
| :--- | :--- | :--- | :--- | :--- |
| Holding Company = Guru <br> Subsidiary Sishya | Consolidation: 31st December | Holding Company <br> = 7 | Minority Interest | $=25 \%$ |

2. Analysis of Reserves \& Surplus of Sishya Ltd
(a) General Reserve

Balance on date of consolidation (given) ₹ 30,000


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(c) Gain / Loss on Revaluation of Assets

- Loss on Revaluation of Machinery $=62,000-66,000=(₹ 4,000)$ Capital Profit
- Depreciation Gain on Revaluation Loss $=4,000 \times 30 \% \quad=₹ 1,200$ Revenue Profit


## 3. Consolidation of Balances

| Particulars | Total | Minority Interest | Pre-Acqn. | Post Acquisition |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Sishya Ltd (Holding 75\%, Minority 25\%) |  |  |  | Gen. Res. | P\&L |
| Equity Capital | 1,00,000 | 25,000 | 75,000 |  |  |
| Preference Shares | 50,000 | 20,000 | 30,000 |  |  |
| General Reserves | 30,000 | 7,500 | 18,750 | 3,750 |  |
| Profit and Loss A/C | 10,500 | 2,625 | 3,000 |  | 4,875 |
| Loss on Revaluation of Assets | $(4,000)$ | $(1,000)$ | $(3,000)$ |  | 900 |
| Depreciation Gain on Revaluation | 1,200 | 300 |  |  | 900 |
| Preference Dividend | 1,500 | 600 |  |  | (750) |
| Stock Reserve - Upstream ( $6000 \times 20 \div 120$ ) | $(1,000)$ | (250) |  |  |  |
| Minority Interest |  | 54,775 |  |  |  |
| Total [Cr] |  |  | 1,23,750 | 3,750 | 5,925 |
| Cost of Investment [Dr.] |  |  | $(1,13,000)$ |  |  |
| (Equity 85,000 + Pref. 28,000) |  |  |  | 30,000 | 34,000 |
| Parent's Balances |  |  |  |  |  |
| Stock Reserve - Downstream (₹ 10,000 x 10\%) (Note 1) |  |  |  |  | $(1,000)$ |
| Elimination of Intra-group Debentures $(50,000-45,000)$ | 5,000 |  |  | 5,000 |  |
| For Consolidated Balance Sheet |  | 54,775 | Cap. Res. 10,750 | 38,750 | 38,925 |

## Notes:

1. Unrealized Profits on Upstream Transaction (i.e. Subsidiary to Holding Company) alone is eliminated from the Minority Interest, towards their share, i.e. 25\%. The balance of $75 \%$ (Holding Company's Share) will be reduced from the Reserves of Guru Ltd. Unrealized Profits on Downstream Transaction, will be eliminated in full against Reserves of Guru Ltd.
2. Parent's P\&L A/c Corrected Balance

| Particulars |  | P\&L A/c |
| :--- | ---: | ---: |
| Balance as per Balance Sheet | 40,000 |  |
| Less: $\quad$ Proposed Preference Dividend | $(₹) 1,00,000 \times 6 \%)$ | $(6,000)$ |
| Corrected Balance | $\mathbf{3 4 , 0 0 0}$ |  |

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4. Consolidated Balance Sheet of Guru Ltd and its Subsidiary Sishya Ltd as at 31st December

|  | Particulars as at 31st December | Note | This Year | Prev.Yr |
| :---: | :---: | :---: | :---: | :---: |
| 1 | EQUITY AND LIABILITIES |  |  |  |
| (1) | Shareholders' Funds: | 1 | 6,00,000 |  |
|  | (a) Share Capital | 2 | 88,425 |  |
|  | (b) Reserves \& Surplus |  | 54,775 |  |
| (2) | Minority Interest |  |  |  |
|  | Non-Current Liabilities |  | 50,000 |  |
|  | Non-Current Liabilities - $6 \%$ Debentures (1,00,000-50,000 held by Guru in Sishya) |  |  |  |
| (3) | Current Liabilities |  |  |  |
|  | (a) Trade Payables <br> (b) Short Term Provisions - Proposed Preference Dividend (Guru Ltd) | 3 | $\begin{array}{r} 1,85,000 \\ 6,000 \end{array}$ |  |
|  | Total |  | 9,84,200 |  |
| $\begin{gathered} \hline \text { II } \\ \text { (1) } \end{gathered}$ | ASSETS |  |  |  |
|  | Non-Current Assets |  |  |  |
|  | Fixed Assets: (i) Tangible Assets | 4 | 4,52,200 |  |
|  | (ii) Intangible Assets - Goodwill (50,000 + 30,000) |  | 80,000 |  |
| (2) | Current Assets |  |  |  |
|  | (a) Inventories $=1,30,000+1,00,000-2,000$ Stock Reserve |  | 2,28,000 |  |
|  | (b) Trade Receivables | 5 | 1,70,000 |  |
|  | (c) Cash \& Cash Equivalents | 6 | 54,000 |  |
|  | Total |  | 9,84,200 |  |

## Notes to the Balance Sheet

Note 1: Share Capital

| Particulars | This Year | Prev. Year |
| :--- | ---: | ---: |
| Authorised: .......Equity Shares of ₹ 10 each and ........6\% Preference Shares <br> of ₹100 each |  |  |
| Issued, Subscribed \& Paid up: 50,000 Equity Shares of ₹ 10 each | $5,00,000$ |  |
| $1,0006 \%$ Preference Shares of ₹ 100 each | $1,00,000$ |  |
| Total | $\mathbf{6 , 0 0 , 0 0 0}$ |  |

Note 2: Reserves and Surplus

| Particulars | This Year | Prev. Year |
| :--- | ---: | ---: |
| (a) Capital Reserve on Consolidation | 10,750 |  |
| (b) Other Reserves - General Reserve | 33,750 |  |
| (c) Surplus (Balance in P \& A/c) | 43,925 |  |
| Total | $\mathbf{8 8 , 4 2 5}$ |  |

Note 3: Trade Payables

| Particulars | This Year | Prev. Year |  |
| :--- | :--- | ---: | ---: |
| (a) Sundry Creditors | $(90,000+60,000)$ | $1,50,000$ |  |
| (b) Bills Payable | $(20,000+25,000-10,000$ Mutual Owings) | 35,000 |  |


| Total | $1,85,000$ |  |
| :---: | :---: | :---: |

## Note 4: Tangible Assets

| Particulars | This Year | Prev. Year |
| :--- | ---: | ---: |
| (a) Land \& Buildings (2,00,000 + 50,000) | $2,50,000$ |  |
| (b) Plant \& Machinery (1,05,000 +1,00,000-4,000 Revln. Loss $+1,200$ | $2,02,200$ |  |
| Depn Gain) | Total | $\mathbf{4 , 5 2 , 2 0 0}$ |

Note 5: Trade Receivables

| Particulars | This Year | Prev. Year |  |
| :--- | :---: | ---: | ---: |
| (a) Sundry Debtors | $(90,000+50,000)$ | $1,40,000$ |  |
| (b) Bills Receivable | $(30,000+10,000-10,000$ Mutual Owings $)$ | 30,000 |  |
|  | Total | $\mathbf{1 , 7 0 , 0 0 0}$ |  |

Note 6: Cash and Cash Equivalents

| Particulars |  | This Year | Prev. Year |
| :--- | :--- | ---: | ---: |
| (a) | Cheques in Transit |  | 2,000 |
|  |  |  |  |
| (b) | Cash at Bank | $(27,000+25,000)$ | 52,000 |

3. (c) The Balance Sheets of $A$ Ltd and B Ltd as on the dates of last closing of Accounts are as under -
(Amount in ₹)


Note: Reserves \& Surplus consists of Accumulated Profits \& Reserves.
The following information is also available -

1. On 8 th February, 2013 there was a fire at the factory of $B$ Ltd resulting in Inventory worth $₹ \mathbf{2 0 , 0 0 0}$ being destroyed. B received $75 \%$ of the loss as Insurance.
2. The same fire resulted in destruction of a Machine having a written down value of ₹ $1,00,000$. The Insurance Company admitted the Company's claim to the extent of $80 \%$. The Machine was insured at its Fair Value of ₹ $1,50,000$.
3. On $13^{\text {th }}$ March, 2013 A sold goods costing ₹ $1,50,000$ to $B$ at a mark-up of $20 \%$. Half of these goods were resold to $A$, who in turn was able to liquidate the entire stock of such goods before closure of accounts on 31st March, 2013. As on 31st March, 2013 B's accounts payable show ₹ 60,000 due to $A$ on the two transactions.
4. A acquired the holdings in B on 1st January, 2011 when the reserves and accumulated Profits of B Ltd stood at ₹ 75,000.
5. Both Companies have not provided for tax on current year Profits. The Current year taxable Profits are ₹ 33,000 and ₹ 66,000 for A Ltd and B Ltd respectively. The tax rate is $33 \%$.
6. The incremental profits earned by B Ltd for the period January, 2013 to March 2013 over that earned in the corresponding period in 2012 was ₹ 56,000 . Expect for the Profits that resulted from the transactions with A in the aforesaid period the entire Profits have been realised in cash before 31st March. 2013.

You are requested to consolidate the accounts of the two Companies and prepare a Consolidated Balance Sheet of A Limited and its Subsidiary as at 31st March, 2013.

Answer:

## 1. Basic Information

| Company Status | Dates | Holding Status |
| :--- | :--- | :--- |
| Holding Company $=$ A Ltd | Acquisition: 01.01.2011 | Holding Company $=80 \%(40,000 / 50,000)$ |
| Subsidiary $\quad$ B Ltd | Consolidation: 31.03.2013 | Minority Interest $=20 \%$ |

2. Analysis of Reserves \& Surplus of B Ltd


Profits for the 3 Months from 1.1.2013 to 31.3.2013

| Particulars | $₹$ |
| :---: | :---: |
| Profit for 2012 (before Taxes) | 66,000 |
| Profit for the first three months (assuming even accrual during the period) | 16,500 |

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| Add:Incremental Profits for 1.1.2013 to 31.3.2013 over the corresponding period's <br> profit | 56,000 |
| :--- | ---: |
| Total Profit for the period | $\mathbf{7 2 , 5 0 0}$ |
| Nature | Post Acqn. |

## 3. Consolidation of Balances (a) Elimination of Debentures

| Particulars | $₹$ |
| :--- | ---: |
| Face Value of Debentures held by A in B $(1,000 \times ₹ 100)$ | $1,00,000$ |
| Less: | $(1,50,000)$ |
| Excess Acquisition by A | To be reduced from Free Reserves |

(b) Minority Interest, Cost of Control and Consolidation of Reserves (Credit Balances Added, Debit Balances Reduced)

| Particulars | Total | Minority Interest | Group Interest |  |
| :---: | :---: | :---: | :---: | :---: |
| B Ltd (Group 80\%, Minority 20\%) |  |  | Pre-Acquisition | Post Acquisition |
| Equity Share Capital Accumulated Reserves | 5,00,000 | 1,00,000 | $4,00,000$ |  |
| As at 31.12.2012 | 1,83,220 | $\begin{gathered} 36,644 \\ (183220 \times 0.2) \end{gathered}$ | $\begin{gathered} 60,000 \\ (75,000 \times 0.8) \end{gathered}$ | $\begin{gathered} 86,576 \\ (108220 \times 0.8) \end{gathered}$ |
| For 1.1.2013 to 31.03.2013 | 72,500 | $\begin{gathered} 14,500 \\ (72500 \times 0.2) \end{gathered}$ |  | $\begin{gathered} 58,000 \\ (72500 \times 0.8) \end{gathered}$ |
| Sub Total |  | 1,51,144 | 4,60,000 | 1,44,576 |
| Balance from A Ltd's Balance Sheet |  |  | $\begin{aligned} & (8,00,000) \\ & \text { (Cost of } \\ & \text { Investment) } \end{aligned}$ | 4,50,000 |
| Provision for Taxation for A Ltd (33,000 $\times 33 \%$ ) |  | - |  | $(10,890)$ |
| Adjustment on Account of Debentures |  | - |  | $(50,000)$ |
| Unrealized Profits on Downstream Transaction (1,50,000 x 20\% x 50\%) |  |  |  | $(15,000)$ |
| Balance for Consolidated Balance Sheet |  | 1,51,144 | $(3,40,000)$ | 5,18,686 |
|  |  | Minority | Goodwill | Reserves |

(c) Inter Company Transactions and Profits Thereon [Ledger A in the Books of B Ltd]

| Particulars | $₹$ | Particulars | $₹$ |
| :--- | ---: | :---: | :---: |
| To Sales to A [Balancing Figure] <br> To balance c/d | $1,20,000$ | By Purchases $[1,50,000+20 \%]$ | $1,80,000$ |
| Total | 60,000 |  |  |


| Particulars | $₹$ |
| :--- | ---: |
| Sales to A  <br> Less: Cost of Goods to B (50\% of ₹ 1,80,000) $1,20,000$ <br> Profit on Such Sale $\mathbf{9 0 , 0 0 0}$ <br> Cash Profits in the books of B Ltd <br> [Total Profits for the Quarter 72,500 - Profit on Transactions with A ₹ 30,000] 42,500 $\mathbf{l}$ |  |

(d) Stock in Trade

| Particulars | $₹$ |
| :--- | :---: |
| Balance on 31.12.2012 | $3,50,000$ |
| Add: Purchase of Stock from A Ltd | $1,80,000$ |
| Less: Cost of Stock resold to A (50\% of Purchases) | $(90,000)$ |
| Less: Stock of Goods Lost by Fire | $(20,000)$ |
| Balance in Closing Stock on 31.03.2013 of B Ltd |  |
| Add: | Stock as per A Ltd |
| Less: $\quad$ Stock Reserve (Unrealized Profits on downstream transaction) | $2,00,000$ |
| Consolidated Balance |  |

Note: It is assumed that but for the purchase from A Ltd, stock of B Ltd is maintained at the same level
(e) Cash and Bank

4. Consolidated Balance Sheet of A Ltd and its Subsidiary B Ltd as at 31.03 .2013

|  | Particulars as at 31st March | Note | This Year | Prev. Yr |
| :---: | :---: | :---: | :---: | :---: |
| 1 <br> (1) <br> (2) <br> (3) <br> (4) | EQUITY AND LIABILITIES <br> Shareholders' Funds: <br> (c) Share Capital <br> (d) Reserves \& Surplus <br> (Note 3(b) above) <br> Minority Interest (Note 3(b) above) <br> Non-Current Liabilities <br> Long Term Borrowings $\quad=15 \%$ ₹ 100 Non-Convertible <br> Debentures (3L-1L) <br> Current Liabilities <br> (d) Trade Payables $=480+280+$ Additional 60 - Mutual 60 <br> (e) Other Current Liabilities $=100+40$ <br> (f) Short Term Provisions - Tax Provision (150+250+10.89+21.78) | 1 | $\begin{array}{r} 11,00,000 \\ 5,18,686 \\ 1,51,144 \\ 2,00,000 \\ \\ 7,60,000 \\ 1,40,000 \\ 4,32,670 \end{array}$ |  |
|  | Total |  | 33,02,500 |  |
| $\begin{gathered} \text { II } \\ (1) \end{gathered}$ | ASSETS <br> Non-Current Assets <br> Fixed Assets: <br> (i) Tangible Assets (650 + 405-100 Destroyed) <br> (ii) Intangible Assets - Goodwill on |  | $\begin{aligned} & 9,55,000 \\ & 3,40,000 \end{aligned}$ |  |

$\left.\begin{array}{|l|l|l|r|r|}\hline & \text { Consolidation } & & \\ \hline \text { (2) } & \text { Current Assets } & & & \\ & \text { (a) Inventories } & \text { (Note 3(d) above) } & & 6,05,000 \\ & \text { (b) Trade Receivables } & =250+456-60 & 6,55,000 \\ & \text { (c) Cash and Cash Equivalents } & \text { (Note 3(e) above) } & 7,47,500\end{array}\right]$

Notes to the Balance Sheet:
Note 1: Share Capital

| Particulars | This Year | Prev. <br> Year |
| :--- | :---: | :---: |
| Authorised: |  |  |
| Issued, Subscribed \& Paid up: $1,10,000$ Equity Shares of ₹ 10 each, fully paid up | $11,00,000$ |  |
| Total | $\mathbf{1 1 , 0 0 , 0 0 0}$ |  |

## Working Notes and Assumptions:

1. Additional Profits for the period 1.1.2013 to 31.03 .2013 of $B$ Ltd is assumed to be after considering Stock Loss and machinery destruction.
2. Receivables, Creditors, Liabilities and other receivables and payables are assumed to be maintained by B Ltd as on the date of consolidation i.e. they do not vary.
3. Except for the Stock Loss and additional goods purchased from $A$ Ltd, stock of $B$ is assumed to be maintained on same levels.
4. Mutual Owings of $₹ 60,000$ has been added and reduced for creditors since subsidiary's balance is as at 31.12.2012, which does not reflect such balance. However, on the asset side, it has been eliminated without adding, since Parent's Balance Sheet as at 31.03.2013, contains such balance in its books.

Question No. 4: Answer to Question No. 4(a) is Compulsory. Also answer any two from the remaining sub-questions.
4. (a) State the potential XBRL applications.

## Answer:

Potential XBRL applications:
(a) XBRL for Financial Statements - financial statements of all sorts used to exchange financial information
(b) XBRL for Taxes -specification for tax returns which are filed and information exchanged for items which end up on tax returns
(c) XBRL for Regulatory Filings - specifications for the large number of filings required by government and regulatory bodies
(d) XBRL for Accounting and Business Reports - management and accounting reporting such as all the reports that are created by your accounting system rendered in XML to make re-using them possible

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(e) XBRL for Authoritative Literature - a standard way for describing accounting related authoritative literature published by the AICPA, FASB, ASB, and others to make using these resources easier, "drill downs" into literature from financials possible.
4. (b) Pilot Ltd. supplies the following information using which you are required to calculate the economic value added.

| Financial Leverage | 1.4 times |  |
| :--- | :--- | :--- |
| Capital (equity and debt) | Equity shares of ₹ 1,000 each | 34,000 (number) |
|  | Accumulated profit <br> 10 percent Debenture of ₹10 | ₹ 260 lakhs |
|  | each <br> eakhs (number) |  |
| Dividend expectations of equity <br> shareholders | $17.50 \%$ |  |
| Prevailing Corporate Tax rate | $30 \%$ |  |

Answer:

| Computation of EVA | (₹ in lakhs) |
| :--- | ---: |
| Net profit after tax (Refer Working Note 1) | $\underline{140}$ |
| Add: Interest adjusted for tax effect $(800 \times 10 \% \times 70)$ | -56 |
| Return to Providers of Funds | $\underline{196}$ |
| Less: Cost of Capital (Refer Working Note 2) | $\underline{(161)}$ |
| Economic Value Added (EVA) | -35 |

## Working Notes:

1. Interest and Net Profit

$$
\begin{aligned}
& \text { Financial Leverage }=\frac{\text { Profit before Interest } \& \text { Taxes (PBIT) }}{\text { Profit before Tax (PBT) }} \\
& \text { Interest on Borrowings }=₹ 800,00,000 \times 10 \%=₹ 80 \text { lakhs } \\
& \text { Therefore, } 1.40 \\
& \\
& \begin{array}{ll}
1.40 & =\frac{\text { PBIT }}{\text { PBIT }- \text { Interest }} \\
1.40 \text { (PBIT-80) } & =\frac{\text { PBIT }}{\text { PBIT }-80} \\
1.40 \text { PBIT-112 } \\
1.40 \text { PBIT-PBIT } & =\mathrm{PBIT} \\
0.40 \text { PBIT } & =112 \\
\text { PBIT } & =112 \\
\text { PBIT } & =112 / 0.40
\end{array} \\
& \begin{array}{ll} 
& =₹ 280 \text { Lakhs }
\end{array}
\end{aligned}
$$



| Source of Funds <br> (1) | Amount ₹ (in lakhs) <br> (2) | Weight <br> (3) | Cost \% <br> (4) | $\begin{gathered} \text { WACC \% } \\ (5)=(3 \times 4) \% \end{gathered}$ |
| :---: | :---: | :---: | :---: | :---: |
| Equity share holders' funds | 600 | 0.4286 | 17.50 | 7.50 |
| Debenture holders' funds | 800 | $\underline{0.5714}$ | 7.00* | 4.00 |
| Total | 1400 | 1.0000 | ---- | 11.50 |

$$
\begin{aligned}
\text { Cost of Capital } & =\text { Average Capital Employed } \times \text { Weighted Average Cost of Capital (WACC) } \\
& =₹ 1,400 \text { lakhs } \times 11.50 \%=₹ 161 \text { lakhs. }
\end{aligned}
$$

4. (c) Dravid Investment Ltd. deals in equity derivatives. Their current portfolio comprises of the following instruments:
Infy ₹ 5,600 Call Expiry June 2014 2,000 unit bought at ₹ 197 each (cost)
Infy ₹ 5,700 Call Expiry June 2014 3,600 unit bought at ₹ 131 each (cost)
Infy ₹ 5,400 Put Expiry June 2014 4,000 unit bought at ₹ 81 each (cost)
What will the profit or loss to Dravid Investments Ltd. in the following situations?
(i) Infy closes on the expiry day at ₹ 6,041
(ii) Infy closes on the expiry day at ₹ 5,812
(iii) Infy closes on the expiry day at ₹ 5,085
[10]
Answer:
Payoff/unit at Infy Closing price

| Instrument | Infy <br> Units | Closing <br> Cost | Price <br> Strike | Infy <br> (i) At 6,041 | Closing <br> (ii) At 5,812 | Price <br> (iii) At 5,085 |
| :--- | ---: | ---: | ---: | ---: | ---: | ---: |
| 5600 Call | 2000 | 197 | 5,600 | 441 | 212 | NIL |
| 5700 Call | 3600 | 131 | 5,700 | 341 | 112 | NIL |


| 5400 Put | 4000 | 81 | 5,400 | NIL | NIL | 315 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Profit per unit |  |  | Profit Amount |  |  |
|  | Infy | Closing | Price | Infy | Closing | Price |
| Instrument | 6,041 | 5,812 | 5,085 | 6,041 | 5,812 | 5,085 |
| 5600 Call | 244 | 15 | -197 | 4,88,000 | 30,000 | -3,94,000 |
| 5700 Call | 210 | -19 | -131 | 7,56,000 | -68,400 | -4,71,600 |
| 5400 Put | -81 | -81 | 234 | -3,24,000 | -3,24,000 | 9,36,000 |
|  |  |  |  | 9,20,000 | -3,62,400 | 70,400 |

4. (d) (i) One major step involved in reporting process is setting the direction for TBL reporting. Discuss.
(ii) From the following details, compute according to Lev and Schwartz (1971) model, the value of human resources of skilled employees group.
(1) Annual average earning of an employee till the retirement age
₹ $1,00,000$
(2) Age of Retirement
65 years
(3) Discount rate
15\%
(4) No. of employees in the group
(5) Average age
62 years

Answer:
(i) Setting the Direction for TBL Reporting

- Engage with stakeholders to understand their requirements
- Prioritise stakeholder requirements and concerns
- Set overall objectives for TBL reporting
- Review current approach and assess capability to deliver on reporting objectives
- Identify gaps and barriers associated with current approach, and prioritise risks associated with overall reporting objective
- Review of associated legal implications
- Develop TBL reporting strategy
- Determine performance indicators for inclusion in report
- Establish appropriate structure and content of the report.
(ii)

| Particulars |  |
| :--- | ---: |
| (a) Average Annual Earning till retirement | $₹ 1,00,000$ |
| (b) Annuity Factor for 3 years at 15\% | 2.2832 |
| (c) No. of employees | 20 |
| (d) Value of Human Resource of Skilled Employees group (a) $\times$ (b) $\times$ (c) | $₹ 45,66,400$ |

Note: As the employees are 62 years (Average), there are 3 more years for them i.e., till 65 years of age to retire. Hence the average earning is discounted for 3 years at $15 \%$.

## Question No. 5 (Answer any three):

(a) Discuss the functions of the Public Accounts Committee.
(b) Describe the role of CAG.
(c) List the benefits of Cash Flow Statements - IGAS 3.
(d) Describe the constitution of the Board Secretariat of GASAB.

## Answer:

5. 

(a) Functions of the Committee

The Public Accounts Committee examines the accounts showing the appropriation of the sums granted by Parliament to meet the expenditure of the Government of India, the Annual Finance Accounts of the Government of India and such other accounts laid before the House as the Committee may think fit. Apart from the Reports of the Comptroller and Auditor General of India on Appropriation Accounts of the Union Government, the Committee also examines the various Audit Reports of the Comptroller and Auditor General on revenue receipts, expenditure by various Ministries/ Departments of Government and accounts of autonomous bodies. The Committee, however, does not examine the accounts relating to such public undertakings as are allotted to the Committee on Public Undertakings.
While scrutinising the Reports of Comptroller and Auditor General on Revenue Receipts, the Committee examines various aspects of Government's tax administration. The Committee, thus, examines cases involving under-assessments, tax-evasion, non-levy of duties, misclassifications etc., identifies loopholes in the taxation laws and procedures and make recommendations in order to check leakage of revenue.
(b) CAG's Role

Under section 10 of the Comptroller and Auditor General's (Duties, Powers and Conditions of Service) Act, 1971 (56 of 1971), the Comptroller and Auditor General shall be responsible-
(a) for compiling the accounts of the Union and of each State from the initial and subsidiary accounts rendered to the audit and accounts offices under his control by treasuries, offices or departments responsible for the keeping of such accounts; and
(b) for keeping such accounts in relation to any of the matters specified in clause (a) as may be necessary;
Provided that the President may, after consultation with the Comptroller and Auditor General, by order, relieve him from the responsibility for compiling-
(i) the said accounts of the Union (either at once or gradually by the issue of several orders); or
(ii) the accounts of any particular services or departments of the Union;

Provided further that the Governor of a State with the previous approval of the President and after consultation with Comptroller and Auditor General, by order, relieve him from the responsibility for compiling-

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(i) the said accounts of the State (either at once or gradually by the issue of several orders); or
(ii) the accounts of any particular services or departments of the State;

Provided also that the President may, after consultation with the Comptroller and Auditor General, by order, relieve him from the responsibility for keeping the accounts of any particular class or character.
(2) Where, under any arrangement, a person other than the Comptroller and Auditor General has, before the commencement of this Act, been responsible-
(i) for compiling the accounts of any particular service or department of the Union or of a State, or
(ii) for keeping the accounts of any particular class or character, such arrangement shall, notwithstanding anything contained in subsection (1), continue to be in force unless, after consultation with the Comptroller and Auditor General, it is revoked in the case referred to in clause (i), by an order of the President or the Governor of the State, as the case may be, and in the case referred to in clause (ii) by an order of the President.
(c) Benefits of Cash Flow Information

1. The Cash Flow Statement provides benefit to the users by giving information about the cash flows of a Government to predict the future cash requirements of the Government. The Cash Flow Statement also gives information about Government's ability to generate cash flows in the future and to determine the changes in the scope and nature of its activities. A Cash Flow Statement also provides the Government means to discharge its accountability for cash inflows and cash outflows during the reporting period.
2. A cash flow statement, when used in conjunction with other financial statements, provides information that enables users to evaluate the changes in its financial structure (including its liquidity and sustainability) and its ability to affect the amounts of cash flows in order to adapt to changing circumstances and opportunities.
3. Historical cash flow information is often used as an indicator of the amount, timing and certainty of future cash flows. It is also useful in checking the accuracy of past assessments of future cash flows.
(d) Board Secretariat

The Secretariat of GASAB is constituted by officers of various Accounts and Finance streams belonging to Civil Services. They are listed below:

1. Indian Audit and Accounts Service (IA\&AS)
2. Indian Civil Accounts Service (ICAS)
3. Indian Defence Accounts Service (IDAS)
4. Indian Post and Telecom Accounts Service (IP\&TAFS)
5. Indian Railway Accounts Service (IRAS)
