## (CA INTERMEDIATE ALL BATCHES)

DATE: 23.12.2020
MAXIMUM MARKS: 100
TIMING: 3¼ Hours

## PAPER 1: ACCOUNTS

Q. No. 1 is compulsory.

Candidates are required to answer any four questions from the remaining five questions. Wherever necessary suitable assumptions should bemade by the candidates. Working notes should form part of the answer.

## Answer 1:

(a) (i) Interest paid by financial enterprise Cash flows from operating activities
(ii) TDS on interest received from subsidiary company

Cash flows from investing activities
(iii) Deposit with bank for a term of two years Cash flows from investing activities
(iv) Insurance claim received against loss of fixed asset by fire Extraordinary item to be shown as a separate heading under 'Cash flow from investing activities'
(v) Bad debts written off

It is a non-cash item which is adjusted from net profit/loss under indirect method, to arrive at net cash flow from operating activity.

## Answer:

(b) Entity A's management can apply the revaluation model only to the office buildings. The office buildings can be clearly distinguished from the industrial buildings in terms of their function, their nature and their general location.AS 10 (Revised) permits assets to be revalued on a class by class basis.
The different characteristics of the buildings enable them to be classified as different PPE classes. The different measurement models can, therefore, be applied to these classes for subsequent measurement.
However, all properties within the class of office buildings must be carried at revalued amount.

## Answer:

(c)

Journal Entries in the Books of Kalim Ltd.

| Date | Particulars | Rs. (Dr.) | Rs. (Cr.) |  |
| :--- | :--- | :--- | ---: | ---: |
| Jan. 01, <br> 2016 | Bank Account (4,50,000 x 48) | Dr. | $216,00,000$ |  |
|  | To Foreign Loan Account |  |  | $216,00,000$ |
| Mar. 31, <br> 2016 | Foreign Exchange Difference Account | Dr. | $4,50,000$ |  |
|  | To Foreign Loan Account <br> [4,50,000 x(49-48)] |  | $4,50,000$ |  |
| Jul. 01, <br> 2016 | Foreign Exchange Difference Account <br> [4,50,000x(49.5-49)] | Dr. | $2,25,000$ |  |
|  | Foreign Loan Account | Dr. | $220,50,000$ |  |
|  | To Bank Account |  |  | $2,22,75,000$ |

## Answer:

(d)

Journal Entries

| Year | Particulars | Rs. in lakhs | Rs. in lakhs | $\}\{1 / 2 \mathrm{M}\}$ |
| :---: | :---: | :---: | :---: | :---: |
|  |  | (Dr.) | (Cr.) |  |
| 1 | Fixed Asset Account <br> To Bank Account <br> (Being fixed asset purchased) | 20 | 20 |  |
|  | Bank Account Dr. <br> To Fixed Asset Account  <br> (Being grant received from the government reduced  <br> the cost of fixed asset)  | 8 | 8 | \{ $1 / 2 \mathrm{M}\}$ |
|  | Depreciation Account (W.N.1) <br> To Fixed Asset Account <br> (Being depreciation charged on Straight Line method (SLM)) | 2 | 2 | \{1/2M\} |
|  | Profit \& Loss Account <br> To Depreciation Account <br> (Being depreciation transferred to Profit and Loss <br> Account at the end of year 1) | 2 | 2 | \{ $1 / 2 \mathrm{M}$ \} |
| 2 | Fixed Asset Account <br> To Bank Account <br> (Being government grant on asset partly refunded which increased the cost of fixed asset) | 5 | 5 | \{ $1 / 2 \mathrm{M}\}$ |
|  | Depreciation Account (W.N.2) <br> To Fixed Asset Account <br> (Being depreciation charged on SLM on revised value of fixed asset prospectively) | 3.67 | 3.67 | \{ $1 / 2 \mathrm{M}$ \} |
|  | Profit \& Loss Account <br> To Depreciation Account <br> (Being depreciation transferred to Profit and Loss <br> Account at the end of year 2) | 3.67 | 3.67 |  |

## Working Notes:

1. Depreciation of Year 1
$\left.\begin{array}{|l|r|}\hline & \text { Rs. in Lakhs } \\ \hline \text { Cost of the Asset } & 20 \\ \hline \text { Less: Government grant received } & \underline{(8)} \\ \hline \text { Depreciation } \frac{12-4}{4} & \frac{12}{2} \\ \hline\end{array}\right\}\{\mathbf{1} \mathbf{M}\}$

## 2. Depreciation for Year 2

|  | Rs. in Lakhs |
| :--- | ---: |
| Cost of the Asset | 20 |
| Less: Government grant received | $(8)$ |
|  | 12 |


| Less : Depreciation for the first year $\frac{12-4}{4}$ | $-\frac{2}{2}$ |
| :--- | ---: |
|  | 10 |
| Add: Government grant refundable | $\underline{\frac{5}{15}}$ |
| Depreciation for the second year $\frac{15-4}{3}$ | 3.67 |

## Answer 2:

(a)

K V Trading Private Limited Statement showing calculation of profit/loss for pre and post incorporation periods
$\left.\left.\begin{array}{|l|r|r|r|r|}\hline & \text { Ratio } & \text { Total } & \begin{array}{c}\text { Pre- } \\ \text { Incorporation }\end{array} & \begin{array}{c}\text { Rs. in lakhs } \\ \text { Post- } \\ \text { Incorporation }\end{array} \\ \hline \text { Sales } & 1: 6 & 240.00 & 34.29 & 205.71 \\ \hline \text { Interest on Investments } & \text { Pre } & 6.00 & 6.00 & - \\ \hline \text { Bad debts recovered } & \text { Pre } & 0.50 & 0.50 & - \\ \hline & & 246.50 & 40.79 & \}\{\mathbf{1} \mathbf{~ M \}}\end{array}\right) 205.71\right\}\{\mathbf{1} \mathbf{~ M \}}$

## Working Notes:

## 1. Calculation of Sales Ratio

Let the average sales per month be $x$
Total sales from 01.04.20X2 to 30.06.20X2 will be $3 x$
Average sales per month from 01.07.20X2 to $31.03 .20 \times 3$ will be $2 x$ Total sales from 01.07.20X2 to $31.03 .20 \times 3$ will be $2 \mathrm{x} \times 9=18 \mathrm{x}$ Ratio of Sales will be $3 x$ : $18 x$ i.e. $3: 18$ or 1:6\}\{1 M\}
2. Calculation of time Ratio

3 Months: 9 Months i.e. 1:3\}\{1 M\}
3. Apportionment of Salary

Let the salary per month from 01.04.20X2 to $30.09 .20 \times 2$ is $x$ Salary per month from 01.10.20X2 to 31.03.20X3 will be $2 x$ Hence, pre incorporation salary (01.04.20X2 to 30.06.20X2) $=3 x$
Post incorporation salary from 01.07.20X2 to $31.03 .20 \times 3=(3 x+12 x)$ i.e. 15xRatio for division $3 x$ : 15 x or 1: 5$\}\{1 \mathrm{M}\}$
4. Apportionment of Rent

Total Rent
Less: additional rent from 1.7.20X2 to 31.3.20X3
Rent of old premises for 12 months
Apportionment in time ratio
Add: Rent for new space
Total

Rs. Lakhs
5.5
1.8
3.7
$0.925 \quad 2.775$

- $\quad 1.80$
$0.925\}\{1 \mathrm{M}\}\{4.575$

Answer:
(b)

## Ascertainment of rate of gross profit for the year 2015-16

 Trading A/c for the year ended 31-3-2016|  | Rs. |  | Rs. |
| :--- | ---: | :--- | ---: |
| To Opening stock | $\mathbf{4 , 8 1 , 1 0 0}$ | By Sales | $\mathbf{2 6 , 0 0 , 0 0 0}$ |
| To Purchases | $\mathbf{2 2 , 6 2 , 5 0 0}$ | By Closing stock | $\mathbf{6 , 6 3 , 6 0 0}$ |$\} \mathbf{5} \mathbf{5} \mathbf{~ I t e m}$ (3/4 M

Rate of Gross $\operatorname{Pr}$ ofit $=\frac{G P}{\text { sales }} \times 100$

$$
\left.=\frac{5,20,000}{26,00,000} \times 100=20 \%\right\}\{\mathbf{1} / \mathbf{2} \mathbf{~ M}\}
$$

Memorandum Trading A/c for the period from 1-4-2016 to 22-01-2017

|  | Rs. | Rs. | Rs. | Rs. |  |
| :--- | ---: | ---: | :--- | ---: | ---: |
| To Opening stock |  | $\mathbf{6 , 6 3 , 6 0 0}$ | By Sales | $24,58,500$ | 20 |
| To Purchases <br> Less: Goods used <br> for | $17,41,350$ |  | Add: Unrecorded <br> cash sales <br> (W.N.) | 20,000 | $\mathbf{2 4 , 7 8 , 5 0 0}$ |
| advertisement | $(50,000)$ | $\mathbf{1 6 , 9 1 , 3 5 0}$ | By Closing stock |  | $\mathbf{3 , 7 2 , 1 5 0}$ |
| To Gross profit <br> $(20 \%$ of Rs. <br> $24,78,500)$ |  | $\mathbf{4 , 9 5 , 7 0 0}$ |  |  |  |
|  |  | $28,50,650$ |  |  | $\mathbf{2 8 , 5 0 , 6 5 0}$ |

Estimated stock in hand on the date of fire was Rs. 3,72,150.\}\{1/2 M\}
Working Note:
Cash sales defalcated by the Accountant:
Defalcation period $=1 \cdot 4 \cdot 2016$ to $18 \cdot 8 \cdot 2016=140$ days
Since, 140 days $/ 7$ weeks $=20$ weeks
Therefore, amount of defalcation $=20$ weeks $\times$ Rs. $1,000=$ Rs. $20,000\}.\left\{\mathbf{1}^{\mathbf{1 / 2}} \mathbf{M}\right\}$
Answer 3:
(a)

Branch Debtors A/c

|  | Rs. |  | Rs. |
| :--- | ---: | ---: | :--- | ---: |
| To Branch Stock A/c | $\mathbf{1 , 1 6 , 0 0 0}$ | By Branch Cash A/c (balancing | $\mathbf{7 4 , 0 0 0}$ |
|  |  | figure) |  |
|  |  | By Bad Debts (written off) | $\mathbf{4 0 0}$ |
|  |  | By Balance c/d | $\mathbf{4 1 , 6 0 0}$ |
|  | $1,16,000$ |  | $1,16,000$ |

Goods Sent to Branch A/c

|  | Rs. | Rs. |  |
| :---: | ---: | :--- | :---: |
| To Branch Adjustment A/c | $\mathbf{2 0 , 0 0 0}$ | By Branch Stock A/c | $\mathbf{1 , 2 0 , 0 0 0}$ |
| $1,00,000 \times \frac{20}{100}$ |  |  |  |
| To Purchases/ Trading A/c | $\mathbf{1 , 0 0 , 0 0 0}$ |  |  |
|  | $1,20,000$ |  | $\mathbf{1 , 2 0 , 0 0 0}$ |


| Branch Cash A/c |  |  |  |
| :---: | :---: | :---: | :---: |
|  | Rs. |  | Rs. |
| To Branch Debtors A/c | 74,000 | By Branch Expenses A/c | 24,000 |
| To H.O. A/c (cash remittance) | 6,000 | By H.O. (cash remittance) | 86,000 |
| To Branch Stock A/c |  | By Balance c/d | 4,000 |
| - Cash Sales (balancing figure) | 34,000 |  |  |
|  | 1,14,000 |  | 1,14,000 |

Branch Stock A/c

|  | Rs. |  | Rs. |
| :---: | ---: | :--- | ---: |
| To Goods sent to Branch A/c | $\mathbf{1 , 2 0 , 0 0 0}$ | By Branch Debtors A/c | $\mathbf{1 , 1 6 , 0 0 0}$ |
| To Branch Adjustment A/c | $\mathbf{5 4 , 0 0 0}$ | By Branch Cash A/c (Sales) | $\mathbf{3 4 , 0 0 0}$ |
| (Excess profit over normal |  | By Goods in Transit | $\mathbf{1 2 , 0 0 0}$ |
| loading -balancing figure) |  | (1,20,000-1,08,000) |  |
|  |  | By Balance c/d |  |
|  | $1,74,000$ |  | $\mathbf{1 2 , 0 0 0}$ |


Branch Adjustment A/c

|  |  | Rs. | Rs. |  |
| :--- | :--- | ---: | :--- | :---: |
| To | Stock Reserve A/c | $\mathbf{2 , 0 0 0}$ | By Goods sent to Branch A/c | $\mathbf{2 0 , 0 0 0}$ |
| To | Goods in transit Reserve A/c | $\mathbf{2 , 0 0 0}$ | By Branch Stock A/c | $\mathbf{5 4 , 0 0 0}$ |
| To | Branch P\&L A/c (Balancing figure) | $\mathbf{7 0 , 0 0 0}$ |  |  |
|  | 74,000 |  | 74,000 |  |


| Branch P \& L A/c |
| :--- |
|       <br> To Branch Expenses A/c Rs.   Rs. <br> To Bad Debts $\mathbf{2 4 , 0 0 0}$ By Branch Adjustment A/c $\mathbf{7 0 , 0 0 0}$ <br> To Net Profit (transferred to General $\mathbf{4 5 , 6 0 0}$    <br>  P\&L A/c)     |

## Working Notes:

1. Loading is $20 \%$ of cost i.e. $16.67 \%\left(1 / 6^{\text {th }}\right)$ of invoice value. Loading on closing stock $=1 / 6^{\text {th }}$ of Rs. 12,000$\}\{1 \mathrm{M}\}$ =Rs. 2,000.
2. Loading on goods sent to branch $=1 / 6^{\text {th }}$ of Rs. $1,20,000=$ Rs. $\left.20,000.\right\}\{1 \mathbf{M}\}$
3. Loading on goods in transit $=1 / 6^{\text {th }}$ of Rs. $12,000=$ Rs. $\left.2,000.\right\}\{1 / \mathbf{2} \mathbf{~ M}\}$

Answer:
(b)

Journal Entries in the books of Brite Ltd.

| 20X1 |  | Dr. Rs. In Lakhs | Cr Rs. In Lakhs |
| :---: | :---: | :---: | :---: |
| Apr-02 | Equity Share Final Call A/c Dr. <br> To Equity Share Capital A/c  <br> (Final call of Rs. 2 per share on 10 crore equity  <br> shares made due)  | 2,000 | 2,000 |
|  | Bank A/c <br> To Equity Share Final Call A/c <br> (Final call money on 10 crore equity shares received) | 2,000 | 2,000 |
| Jun-01 | Capital Redemption Reserve A/c Dr . <br> Securities Premium A/c Dr . <br> General Reserve A/c (b.f.) Dr . <br> To Bonus to Shareholders A/c Dr . <br> (Bonus issue of two shares for every five shares <br> held, by utilizing various reserves as per Board's <br> resolution dated......)  | $\begin{array}{r} 1,485 \\ 2,000 \\ 515 \end{array}$ | 4000 |
|  | Bonus to Shareholders A/c <br> To Equity Share Capital A/c <br> (Capitalisation of profit) | 4,000 | 4,000 |

## Notes for Accounts:

|  |  |  | Rs. in lakhs |
| :---: | :---: | :---: | :---: |
| 1 | Share Capital |  |  |
|  | Authorised share capital |  |  |
|  | 20 crore shares of Rs. 10 each |  | 20,000 |
|  | Issued, subscribed and fully paid up share capital |  |  |
|  | 14 crore Equity shares of Rs. 10 each, fully paid up |  | 14,000 |
|  | (Out of the above, 4 crore equity shares @ Rs. 10 each were |  |  |
|  | issued by way of bonus) |  |  |
|  | 2 crore, 11\% Cumulative Preference share capital of Rs. 10 |  | 2,000 |
|  | each, fully paid up |  |  |
|  |  |  | 16,000 |
| 2 | Reserves and Surplus |  |  |
|  | Capital Redemption reserve | 1,485 |  |
|  | Less: Utilised for bonus issue | -1,485 | - |
|  | Securities Premium | 2,000 |  |
|  | Less: Utilised for bonus issue | -2,000 | - |
|  | General Reserve | 1,040 |  |
|  | Less: Utilised for bonus issue | -515 | 525 |
|  | Surplus (Profit and Loss Account) |  | 273 |
|  | TOTAL |  | $\underline{798}$ |

## Answer 4:

(a)

Investment Account-Equity Shares in X Ltd.


## Working Notes:

1. Cost of shares sold - Amount paid for 8,000 shares

|  | Rs. |
| :--- | ---: |
| (Rs. $60,000+$ Rs. $14,000+$ Rs. 12,500) | 86,500 |
| Less: Dividend on shares purchased on $1^{\text {st }}$ Sept, 2017 | $(2,000)$ |
| Cost of 8,000 shares | 84,500 |
| Cost of 4,000 shares (Average cost basis*) | 42,250 |
| Sale proceeds (4,000 shares @ 14/-) | $\left\{\mathbf{1}^{\mathbf{1 / 2}} \mathbf{~ M} \boldsymbol{3}\right.$ |
| Profit on sale | 56,000 |

*For ascertainment of cost for equity shares sold, average cost basis has been applied.
2. Value of investment at the end of the year

Closing balance will be valued based on lower of cost (Rs. 42,250) or net $\}\{\mathbf{1} \mathbf{M}\}$ realizable value (Rs. $13 \times 4,000$ ). Thus investment will be valued at Rs. 42,250.
3. Calculation of sale of right entitlement

1,000 shares $\times$ Rs. 8 per share $=$ Rs. 8,000
Amount received from sale of rights will be credited to $P$ \& LA/c as per AS 13 'Accounting for Investments'
4. Dividend received on investment held as on $1^{\text {st }}$ April, 2017
= 4,000 shares $\times$ Rs. $10 \times 20 \%$
$=$ Rs. 8,000 will be transferred to Profit and Loss A/c
Dividend received on shares purchased on $1^{\text {st }}$ Sep. 2017
$=1,000$ shares $\times$ Rs. $10 \times 20 \%=$ Rs. 2,000 will be adjusted to Investment A/c
Note: It is presumed that no dividend is received on bonus shares as bonus shares are declared on $30^{\text {th }}$ Sept., 2017 and dividend pertains to the year $\}\{\mathbf{1 / 2} \mathbf{~ M}\}$
ended 31.3 .2017 . ended 31.3.2017.

## Answer:

(b)

M/s D, B and R
Departmental Trading and Profit \& Loss Account for the six months ended 31-3-2013

|  |  | A | B | C | Total |  |  | A | B | C | Total |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| To | Opening | 37,890 | 24,000 | 20,000 | 81,890 | By | Sales | 1,80,000 | 1,30,000 | 90,000 | 4,00,000 |
|  | Stock |  |  |  |  |  |  |  |  |  |  |
| To | Purchases | 1,40,700 | 80,600 | 44,400 | 2,65,700 | By | Transfer | 10,700 | 600 | - | 11,300 |
| To | Transfer | - | - | 11,300 | 11,300 | By | Closing |  |  |  |  |
| To | Wages | $\checkmark$ | - | 12,000 | 12,000 |  | Stock | 45,100 | 22,300 | 21,600 | 89,000 |
| To | Gross profit |  |  |  |  |  |  |  |  |  |  |
|  | c/d | 57,210 | 48,300 | 23,900 | 1,29,410 |  |  |  |  |  |  |
|  |  | 235800 | 1,52,900 | 1,11,600 | 5,00,300 |  |  | 2,35,800 | 1,52,900 | 1,11,600 | 5,00,300 |
| To | Salaries \& |  |  |  |  | By | Gross | 57,210 | 48,300 | 23,900 | 1,29,410 |
|  | Wages: |  |  |  |  |  | profit b/d |  |  |  |  |
|  | General | 1200 | 8,000 | 4,000 | 24,000 | By | Discount | 400 | 250 | 150 | 800 |
|  | Office |  |  |  |  |  | Received |  |  |  |  |
|  | Showroom | 4000 | 8,000 | $\square$ | 12,000 |  |  |  |  |  |  |
|  | Advertising | 1,080 | 780 | 540 | 2,400 |  |  |  |  |  |  |
| To | Rent | 2400 | 2,400 | 6,000 | 10,800 |  |  |  |  |  |  |
| To | Discount | 54 | 390 | 270 | 1,200 |  |  |  |  |  |  |
|  | Allowed |  |  |  |  |  |  |  |  |  |  |
| To | Sundry | 5460 | 3,900 | 2,700 | 12,000 |  |  |  |  |  |  |
|  | Expenses |  |  |  |  |  |  |  |  |  |  |
| To | Depreciation | 27 | 250 | 250 | 750 |  |  |  |  |  |  |
| To | Net Profit |  |  |  |  |  |  |  |  |  |  |
|  | c/d | 31,940 | 24,830 | 10,290 | 67,060 |  |  |  |  |  |  |
|  |  | 57,610 | 48,550 | 24,050 | 1,30,210 |  |  | 57,610 | 48,550 | 24,050 | 1,30,210 |

## Note:

Gross profit of Department A is 30\% of Sales price (including transfer to Department C).
There is some unrealised profit only on inter departmental stock. 30\% of Rs. 5,700 is as stock reserve. This will be debited to Profit and Loss Appropriation Account.

## Profit and Loss Appropriation Account

| Rs. |  |  |  | Rs. |  | Rs. |
| :--- | :--- | ---: | ---: | ---: | :--- | :--- |
| To | Stock Reserve <br> (See Note) |  | 1,710 | By | Net Profit transferred <br> from Profit \& Loss A/c | 67,060 |
| To | D: 75\% of Profit of |  |  |  |  |  |
|  | Deptt. A | 23,955 |  |  |  |  |
|  | $50 \%$ of Combined profits | $\underline{7,527}$ | 31,482 |  |  |  |
| To | B: 75\% of Profit of |  |  |  |  |  |
|  | Deptt. B | 18,623 |  |  |  |  |
|  | $25 \%$ of Combined profits | $\underline{3,763}$ | 22,386 |  |  |  |
| To | R: 75\% of Profit of |  |  |  |  |  |
|  | Deptt. C | 7,718 |  |  |  | 67,060 |
|  | $25 \%$ of Combined profits | $\underline{3,764}$ | 11,482 |  |  |  |
|  |  |  | 67,060 |  |  |  |

Answer 5:
(a) Cash Flow Statement as per AS 3

| Cash flows from operating activities: |  | Rs. in lacs |  |
| :---: | :---: | :---: | :---: |
| Net profit before tax provision |  | 72,000 |  |
| Add: Non cash expenditures: |  |  |  |
| Depreciation | 48,000 |  |  |
| Loss on sale of assets | 96 |  |  |
| Interest expenditure (non-operating activity) | 24,000 | 72,096 |  |
|  |  | 1,44,096 |  |
| Less: Non cash income |  |  |  |
| Amortisation of capital grant received | (20) |  |  |
| Profit on sale of investments (non-operating income) | (240) |  |  |
| Interest income from investments (non-operating income) | $(6,000)$ | 6,260 |  |
| Operating profit |  | 1,37,836 |  |
| Less: Increase in working capital |  | $(1,34,580)$ |  |
| Cash from operations |  | 3,256 |  |
| Less: Income tax paid |  | $(10,200)$ |  |
| Net cash generated from operating activities |  | $(6,944)$ | $\left\{2^{1 / 2} \mathrm{M}\right\}$ |
| Cash flows from investing activities: |  |  |  |
| Sale of assets (444-96) | 348 |  |  |
| Sale of investments ( $66,636+240$ ) | 66,876 |  |  |
| Interest income from investments | 6,000 |  |  |
| Purchase of fixed assets | $(44,184)$ |  |  |
| Expenditure on construction work | $(83,376)$ |  |  |
| Net cash used in investing activities |  | $(54,336)$ | \{2 $\left.{ }^{1 / 2} \mathrm{M}\right\}$ |
| Cash flows from financing activities: |  |  |  |
| Grants for capital projects | 36 |  |  |
| Long term borrowings | 1,11,732 |  |  |
| Interest paid | $(26,084)$ |  |  |
| Dividend paid | $(20,404)$ |  |  |
| Net cash from financing activities |  | 65,280 | \{2 $\left.{ }^{1 / 2} \mathrm{M}\right\}$ |
| Net increase in cash |  | 4,000 |  |
| Add: Cash and bank balance as on 1.4.2018 |  | 12,000 |  |
| Cash and bank balance as on 31.3.2019 |  | 16,000 | $\}\left\{2^{1 / 2} \mathrm{M}\right\}$ |

## Answer:

(b)

## Trading and Profit and Loss account

 for the year ending 31st March, 2017| Particulars | Rs. | Particulars | Rs. |
| :--- | ---: | :--- | ---: |
| To Opening Stock | $\mathbf{4 0 , 0 0 0}$ | By Sales | $\mathbf{4 , 3 1 , 2 5 0}$ |
| To Purchases (Working Note) | $\mathbf{3 , 4 5 , 0 0 0}$ | By Closing Stock | $\mathbf{4 0 , 0 0 0}$ |
| To Gross Profit c/d (20\% on sales) | $\mathbf{8 6 , 2 5 0}$ |  |  |
| To Business Expenses | $4,71,250$ |  | $4,71,250$ |
| To Depreciation on: | $\mathbf{5 0 , 0 0 0}$ | By Gross Profit b/d | $\mathbf{8 6 , 2 5 0}$ |
| Machinery 6,500 |  |  |  |
| Building $\quad \underline{0,000}$ | $\mathbf{1 1 , 5 0 0}$ |  |  |
| To Net profit | $\mathbf{2 4 , 7 5 0}$ |  |  |
|  | $\mathbf{8 6 , 2 5 0}$ |  | 86,250 |

Trade Debtors Account

| Particulars | Rs. | Particulars | Rs. |
| :--- | ---: | ---: | ---: |
| To Balance b/d | $\mathbf{5 0 , 0 0 0}$ | By Bank (bal.fig.) | $\mathbf{4 , 0 9 , 3 7 5}$ |
| To Sales | $\mathbf{4 , 3 1 , 2 5 0}$ | By Balance c/d $(1 / 6$ of $4,31,250)$ | $\mathbf{7 1 , 8 7 5}$ |
|  | $\mathbf{4} \mathbf{~ I t e m}$ |  |  |
| $\mathbf{x 1 / 4} \mathbf{~ M}$ |  |  |  |

Trade Creditors Account

| Particulars | Rs. | Particulars | Rs. |
| :--- | ---: | :--- | ---: |
| To Bank (Balancing figure) | $\mathbf{3 , 3 1 , 8 7 5}$ | By Balancing b/d | $\mathbf{3 0 , 0 0 0}$ |
| To Balance c/d/(1/8 of Rs. 3,45,000) | $\mathbf{4 3 , 1 2 5}$ | By Purchases | $\mathbf{3 , 4 5 , 0 0 0}$ |
|  | $3,75,000$ |  | $3,75,000$ |

## Working Note:

|  |  | Rs. |
| :---: | :---: | :---: |
| (i) | Calculation of Rate of Gross Profit earned during previous year |  |
| A | Sales during previous year (Rs. 50,000 $\times 12 / 2$ ) | 3,00,000\} $\{1 / \mathbf{2 m}$ |
| B | Purchases (Rs. $30,000 \times 12 / 1.5$ ) | 2,40,000\}\{1/2 M\} |
| C | Cost of Goods Sold (Rs. 40,000 + Rs. 2,40,000 - Rs. 40,000) | 2,40,000\}\{1/2 M\} |
| D | Gross Profit (A-C) | 60,000\}\{1/2 M \} |
| E | Rate of Gross Profit $\quad \frac{\text { Rs. } 60,000}{\text { Rs. } 3,00,000} \times 100$ | 20\%\}\{1/4 M |
| (ii) | Calculation of sales and Purchases during current year | Rs. |
| A | Cost of goods sold during previous year | 2,40,000 $\}\{\mathbf{1 / 2} \mathbf{~ M ~}$ |
| B | Add: Increases in volume @ 25 \% | 60,000\} \{1/2 M |
|  |  | 3,00,000\}\{1/2 M\} |
| C | Add: Increase in cost @ 15\% | 45,000 $\}\{1 / 2 \mathrm{~m}\}$ |
| D | Cost of Goods Sold during Current Year | 3,45,000\} \{1/2 M |
| E | Add: Gross profit @ 25\% on cost (20\% on sales) | 86,250\}\{1/2 M\} |
| F | Sales for current year [D+E] | 4,31,250\}\{1/2 M\} |

Answer 6:
(a) Departmental Trading Account for the year ended 31st March, 20X1

| Particulars | A | B | C | Particulars | A | B | C |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Rs. | Rs. | Rs. |  | Rs. | Rs. | Rs. |
| To Opening Stock (W.N.4) | 14,400 | 10,800 | 30,000 | $\begin{aligned} & \text { By Sales } \\ & \text { A }-5,200 \times 40 \\ & B-9,800 \times 45 \\ & \text { C }-15,300 \times 50 \\ & \hline \end{aligned}$ | 2,08,000 | 4,41,000 | 7,65,000 |
| To Purchases (W.N.2) | 1,20,000 | 2,70,000 | 4,50,000 | By Closing Stock <br> (W.N.4) | 9,600 | 16,200 | 21,000 |
| To Gross Profit (b.f.) | 83,200 | $\begin{array}{r} 1,76,400 \\ \{\mathbf{1} \mathbf{~ M \}} \end{array}$ | $3,06,000$ |  |  |  |  |
|  | 2,17,600 | 4,57,200 | 7,86,000 |  | 2,17,600 | 4,57,200 | 7,86,000 |

## Working Notes :

## (1) Profit Margin Ratio

| Selling price of units purchased : | Rs. |
| :--- | ---: |
| Department A (5,000 units $\times$ Rs. 40) | $2,00,000$ |
| Department B (10,000 units $\times$ Rs. 45) | $4,50,000$ |
| Department C (15,000 units $\times$ Rs. 50) | $\underline{7,50,000}$ |
| Total selling price of purchased units | $14,00,000$ |
| Less: Purchases | $\underline{(8,40,000)}$ |
| Gross profit | $\underline{5,60,000}$ |

Profit margin ratio $\left.=\frac{\text { Gross profit }}{\text { Selling price }} \times 100=\frac{5,60,000}{14,00,000} \times 100=40 \%\right\}\{\mathbf{1} \mathbf{M}\}$
(2) Statement showing department-wise per unit cost and purchase cost

| Particulars | A | B | C |
| :--- | ---: | ---: | ---: |
| Selling price per unit (Rs.) | 40 | 45 | 50 |
| Less: Profit margin @ 40\% (Rs.) Profit | $(16)$ | $(18)$ | $(20)$ |
| margin is uniform for all depts. |  |  |  |
| Purchase price per unit (Rs.) | 24 | 27 | 30 |
| No. of units purchased | 5,000 | 10,000 | 15,000 |
| Purchases <br> (purchase cost per unit $\times$ units purchased) | $1,20,000$ | $2,70,000$ | $4,50,000$ |

(3) Statement showing calculation of department-wise Opening Stock (in units)

| Particulars | A | B | C |
| :--- | ---: | ---: | ---: |
| Sales (Units) | 5,200 | 9,800 | 15,300 |
| Add: Closing Stock (Units) | 400 | 600 | 700 |
|  | 5,600 | 10,400 | 16,000 |
| Less: Purchases (Units) | $(5,000)$ | $(10,000)$ | $(15,000)$ |
| Opening Stock (Units) | 600 | 400 | 1,000 |

(4) Statement showing department-wise cost of Opening and Closing Stock

|  | A | B | C |
| :--- | ---: | ---: | ---: |
| Cost of Opening Stock (Rs.) | $600 \times 24$ | $400 \times 27$ | $1,000 \times 30$ |
|  | 14,400 | 10,800 | 30,000 |
| Cost of Closing Stock (Rs.) | $400 \times 24$ | $600 \times 27$ | $700 \times 30$ |
|  | 9,600 | 16,200 | 21,000 |

## Answer:

(b) Investments by a holding company in the shares of its subsidiary company are normally considered as long term investments. Indian holding companies show investment in subsidiary just like any other investment and generally classify it as trade investment. As per AS 13 'Accounting for Investments', investments are classified as long term and current investments. A current investment is an investment that by its nature is readily realizable and is intended to be held for not more than one year from the date of acquisition. A long term investment is one that is not a current one. Costs of investment include besides acquisition charges, expenses such as brokerage, fees and duties. If an investment is acquired wholly or partly by an issue of shares or other securities, the acquisition cost is determined by taking the fair value of the shares/securities issued. If an investment were to be acquired in exchange - part or whole - for another asset, the acquisition cost of the investment is determined with reference to the value of the other asset exchanged. Dividends received out of income earned by a subsidiary before the acquisition of the shares by the holding company and not treated as income but treated as recovery of cost of the assets (investment made in the subsidiary). The carrying cost for current investment is the lower of cost or fair/market value whereas investment in the shares of the subsidiary (treated as long term) is carried normally at cost.

## Answer:

(c)

|  | Integral Foreign Operation | Non-Integral Foreign Operation <br> (NFO) |
| :--- | :--- | :--- |
| Meaning | It is a foreign operation, the activities <br> of which are an integral part of those <br> of the reporting enterprise. | It is a foreign operation that is not an <br> integral Foreign Operation. |
| Business | The business of IFO is carried on as if <br> it were an extension of the reporting <br> enterprise's operations. | The business of NFO is carried on in a <br> substantially independent manner by <br> accumulating cash and other <br> monetary items, incurring expenses, <br> generating income and arranging <br> borrowings, in its local currency. |
| Example | Sale of goods imported from the <br> reporting enterprise and remittance of <br> proceeds to the reporting enterprise. | Production in a foreign country out of <br> resources available in such nation <br> independent of the reporting <br> enterprise. |
| Currencies <br> operated | Generally, IFO carries on business in <br> a single foreign currency, i.e. of the <br> country where it is located. | NFO business may also enter into <br> transactions in foreign currencies, <br> including transactions in the reporting <br> currency. |
| Cash flows <br> from <br> operations | Cash flows from operations of the <br> reporting enterprise are directly and <br> immediately affected by a change in <br> the exchange rate between the <br> reporting currency and the currency <br> in the country of IFO. | Change in the exchange rate between <br> the reporting currency and the local <br> currey, has little or no direct effect <br> on present and future Cash Flows <br> from Operations of either the NFO or <br> the reporting enterprise. |
| Effect of <br> Change in <br> Exchange <br> Rate | Change in the exchange rate affects <br> the individual monetary items held by <br> the IFO rather than the reporting <br> enterprise's Net Investment in the <br> IFO. | Change in the exchange rate affects <br> theporting enterprise's net <br> investment in the NFO rather than the <br> individual monetary and non- <br> monetary items held by that NFO. |

## Answer:

(d) (i) Valuation of stock as on 31.3.2014 when general selling price is Rs. 49 each : Value 3,000 units at Rs. 45 each (lower of cost and net realizable value). Value remaining 2,000 units at Rs. 49 each (lower of cost and net realizable value).

| Units | Cost | NRV | Lower of Cost and NRV | Valuation |
| :---: | :---: | :---: | :---: | ---: |
| 1 | 2 | 3 | 4 | $5=1 \times 4$ |
| 3000 | 50 | 45 | 45 | 135000 |
| 2000 | 50 | 49 | 49 | 98000 |
|  |  |  |  | 233000 |

Valuation of stock should be Rs. 2,33,000.
(ii) Valuation of stock as on 31.3.2014 when general selling price is Rs. 52 each:

| Units | Cost | NRV | Lower of Cost and NRV | Valuation |
| :---: | :---: | :---: | :---: | ---: |
| 1 | 2 | 3 | 4 | $5=1 \times 4$ |
| 3000 | 50 | 45 | 45 | 135000 |
| 2000 | 50 | 52 | 50 | 100000 |
|  |  |  |  | 235000 |

Valuation of stock should be Rs. 2,35,000.

## Answer:

(e) (a) (1) Users of financial statements:

Investors, Employees, Lenders, Supplies/Creditors, Customers, $\}\{\mathbf{1} \mathbf{M}\}$
Government \& Public
(2) Qualitative Characteristics of Financial Statements: Understandability, Relevance, Comparability, Reliability \& Faithful \{\{1 M\} Representation
(3) Elements of Financial Statements:

Asset, Liability, Equity, Income/Gain and Expense/Loss $\}\{\mathbf{1} \mathbf{M}\}$
(b) Fundamental Accounting Assumptions:?

Accrual, Going Concern and Consistency
$\qquad$

