## INDIAN SCHOOL MUSCAT

CLASS: 12
FIRST PRE - BOARD EXAMINATION
Accountancy (055)
SET - B



|  | (Being the application money received) |  |  |
| :---: | :---: | :---: | :---: |
|  | Debenture Application and Allotment A/c Dr <br> Loss on Issue of Debenture $\mathrm{A} / \mathrm{c} \mathrm{Dr}$ <br> To 12\% Debenture A/c <br> To Security Premium Reserve <br> To Premium on Redemption A/c <br> (Being 1,000 debentures issued at a premium of 5\% and redeemable at $2 \%$ premium) | $\begin{array}{r} 105,000 \\ 2,000 \end{array}$ | $\begin{array}{r} 100000 \\ 5000 \\ 2000 \end{array}$ |
| b) | Vendor A/c Dr Discount on issue of Debenture A/c To 12\% Debenture (Being Debentures issued to vendors) | $\begin{aligned} & \hline 9,00,000 \\ & 1,00,000 \end{aligned}$ | 10,00,000 |
| c) | Debenture Suspense A/c Dr <br> To $11 \%$ Debenture A/c <br> (Being 10,000 11\% debentures of ₹ 100 issued as collateral security) | 10,00,000 | 10,00,000 |

OR

| Date | Particulars | LF | Dr.(₹) | Cr.(₹) |
| :--- | :--- | ---: | ---: | ---: |
| a) | Debenture Redemption Investment A/c Dr <br> To Bank A/c <br> (being specified investments purchased) |  | 30,000 | 30,000 |
| b) | 10\% Debenture A/c Dr <br> To Debenture Holder A/c <br> (being debenture due for redemption) |  | $2,00,000$ | $2,00,000$ |
| b) | Debenture Holder A/c Dr <br> To Bank A/c <br> (Being payment made to debenture holders) |  | $2,00,000$ | $2,00,000$ |
| c) | Debenture Redemption Reserve A/c Dr <br> To General Reserve A/c <br> (Being the transfer of Debenture Redemption <br> Reserve to General Reserve on the redemption of <br> debentures) | 50,000 | 50,000 |  |

Income and Expenditure Account for the year ending 31 ${ }^{\text {st }}$ March 2018

| Expenditure | Amt. (₹) | Income | Amt. (₹) |
| :---: | :---: | :---: | :---: |
| To Salary 22000 Add: Outstanding 2000 | 24,000 | $\begin{array}{lr}\text { By Subscription } & 65,400 \\ \text { Less : Recd in Advance } 1,200 \\ \text { Add: outstanding } 5000 \\ \text { Less doubtful (1000) } 4000\end{array}$ | 68,200 |
| To Rent $\quad 4,400$ Add: Outstanding 400 | 4,800 | By Donation (1/2*20,000) | 10,000 |
| To Insurance | 2,400 | By Contribution for annual Dinner | 5,000 |
| To Expenses on Annual Dinner | 4,500 | By Receipts from Tournaments | 15,000 |
| To Expenses on Tournament | 12,700 | By Billiard Fees | 18,600 |
| To Excess of Income over Expenditure (surplus) | 71,450 | By Entrance Fees 6,000 Less : $2 / 3^{\text {rd }}$ capitalized $(4,000)$ | 2,000 |
|  |  | By Interest on $12 \%$ NSC | 1050 |
|  | 1,19,850 |  | 1,19,850 |


| Dr. | Revaluation a/c |  |  | Cr. |  |
| :--- | :--- | :--- | :--- | :--- | ---: |
| Particulars | LF | Amt. (₹) | Particulars | LF | Amt.(₹) |



Balance Sheet of P,Q and R as at April 1, 2018

| Liabilities | $\operatorname{Amt}(₹)$ Assets | Amt (₹) |
| :--- | ---: | ---: |
|  |  |  |
| Creditors | 20,000 Building | $1,00,000$ |
| Capital: | Machinery | 36,000 |
| P | $1,08,000$ | Cash |
| Q | 72,000 | Debtors |
| R | 60,000 | $2,40,000$ Stock |
|  | Furniture | 18,000 |
|  |  |  |
|  | $2,60,000$ | 20,000 |
| OR |  |  |



| Dr. | Leela Capital a/c |  | Cr. |  |
| :--- | ---: | ---: | ---: | ---: |
| Particulars | LF | Particulars | LF |  |
| To Profit \& Loss A/c |  | 2,400 | By Balance b/d | 56,000 |
| To Revaluation A/c |  | 4,800 By Khushboo's Capital | 30,000 |  |
| To Bank A/c | 20,800 By Meena's Capital | 12,000 |  |  |
| To Leela's Loan A/c |  | 70,000 |  |  |
|  | 98,000 |  | 98,000 |  |


| Dr. | Leela Loan a/c |  |  |  |  |  | Cr . |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Date | Particulars | LF | Amt (₹) | Date | Particulars | LF | Amt (₹) |
| 2018 |  |  |  | 2018 |  |  |  |
| June30 | To Bank A/c |  | 36,750 | Apr 1 | By Leela's Capital |  | 70,000 |
| Sep 30 | To Bank A/c |  | 35,875 | June 30 | By Interest |  | 1,750 |
|  |  |  |  | Sep 30 | By Interest |  | 875 |
|  |  |  | 72,625 |  |  |  | 72,625 |


| In the Books of ZX td. |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: |
| Date | Particulars | LF | Dr. (₹) | Cr. (₹) |
|  | Bank Account Dr. <br> To Equity Share Application Account (Application money received) |  | 16,00,000 | 16,00,000 |
|  | Equity Share Application Account <br> To Equity Share Capital Account <br> To Equity Share Allotment Account <br> To Bank Account <br> (Application money transferred to Equity Share Capital account, Equity Share Allotment account and remaining amount refunded) |  | 16,00,000 | $\begin{array}{r} 10,00,000 \\ 5,00,000 \\ 1,00,000 \end{array}$ |
|  | Equity Share Allotment Account Dr. To Equity Share Capital Account (Allotment money due on 5,00,000 equity shares @`3 each) & & 15,00,000 & 15,00,000 \\ \hline & \begin{tabular}{l} Bank Account Dr. \\ To Equity Share Allotment Account \\ To Calls in Advance Account \\ (Allotment money received along with Calls in Advance on 1,500 Shares ) \end{tabular} & & 10,22,500 & \[ \begin{array}{r} 10,00,000 \\ 22,500 \end{array} \] \\ \hline & \begin{tabular}{l} Equity Share First Call Account Dr. \\ To Equity Share Capital Account \\ (First Call money due on 5,00,000 equity shares \\ @` 2 each) |  |  |  | \& \& 10,00,000 \& 10,00,000 <br>


\hline \& | Bank Account | Dr. |
| :--- | :---: |
| Calls in Advance Account | Dr. |
| $\quad$ To Equity Share First Call Account |  |
| (First call money received) |  | \& \& \[

$$
\begin{array}{r}
9,97,000 \\
3,000
\end{array}
$$
\] \& 10,00,000 <br>

\hline \& | Equity Share Final Call Account Dr. |
| :--- |
| To Equity Share Capital Account |
| To Securities Premium Reserve Account |
| (Final Call money due on 5,00,000 equity shares @ 13 each including premium of ` 10 each) | \& \& 65,00,000 \& \[

$$
\begin{aligned}
& 15,00,000 \\
& 50,00,000
\end{aligned}
$$
\] <br>

\hline \& | Bank Account | Dr. |
| :--- | :---: |
| Calls in Advance Account | Dr. |
| Call in Arrears Account | Dr. |
| To Equity Share Final Call Account |  |
| (Final call money received) |  | \& \& \[

$$
\begin{array}{r}
\hline 63,89,500 \\
19,500 \\
91,000
\end{array}
$$
\] \& 65,00,000 <br>

\hline \& | Equity Share Capital Account | Dr. |
| :--- | :---: |
| Securities Premium Reserve Account | Dr. |
| To Share Forfeited Account |  |
| To Calls in Arrears Account |  |
| ( Manohar's Shares forfeited ) |  | \& \& \[

$$
\begin{aligned}
& 70,000 \\
& 70,000
\end{aligned}
$$

\] \& \[

$$
\begin{aligned}
& 49,000 \\
& 91,000
\end{aligned}
$$
\] <br>

\hline \& Bank Account Dr.
To Equity Share Capital Account
(Forfeited Shares of Manohar reissued) \& \& 70,000 \& 70,000 <br>
\hline \& Share Forfeited Account Dr.
To Capital Reserve Account
(Share forfeited account transferred to capital reserve
account) \& \& 49,000 \& 49,000 <br>
\hline
\end{tabular}

a) AX LTD

Share Forfeited A/c

| Date | Particulars | JF | ₹ | Date | Particulars | JF | $₹$ |
| :--- | :--- | ---: | ---: | :---: | :---: | :---: | :---: |
|  | To Share Capital a/c |  | 4,000 |  | By Share Capital a/c |  | 30,000 |
|  | To Capital Reserve a/c |  | 16,000 |  |  |  |  |
|  | To Balance c/d |  | 10,000 |  |  |  |  |
|  |  |  | 30,000 |  |  |  | 30,000 |

b) BG LTD

| Date | Particulars | LF | Dr. (₹) | Cr. (₹) |
| :---: | :---: | :---: | :---: | :---: |
|  | Share Capital Account Dr. |  | 14,400 |  |
|  | Securities Premium Reserve Dr. |  | 2160 |  |
|  | To Share Forfeited Account |  |  | 12,960 |
|  | To Calls in Arrears Account |  |  | 3,600 |
|  | ( 720 Shares forfeited ) |  |  |  |
|  | Bank Account Dr. |  | 6,000 |  |
|  | Share Forfeited Account Dr. |  | 2,000 |  |
|  | To Share Capital Account |  |  | 8,000 |
|  | ( 400 Shares re-issued @ `15 each) & & & \\ \hline \multirow[t]{3}{*}{} & Share Forfeited Account Dr. & & 5,200 & \\ \hline & To Capital Reserve Account & & & 5,200 \\ \hline & (Gain on re-issue of forfeited shares transferred to capital reserve account) & & & \\ \hline \end{tabular} c) ML LTD \begin{tabular}{\|c|c|c|c|c|} \hline Date & Particulars & LF & Dr. (₹) & Cr. (₹) \\ \hline & Bank Account Dr. & & 10,800 & \\ \hline & Share Forfeited Account Dr. & & 1200 & \\ \hline & To Share Capital Account ( 400 Shares re-issued @` 15 each) |  |  | 12,000 |
|  | Share Forfeited Account Dr. |  | 7,200 |  |
|  | To Capital Reserve Account |  |  | 7,200 |
|  | (Gain on re-issue of forfeited shares transferred to |  |  |  |

## Part B

(Analysis of Financial Statements)

| 23. | Debt to Equity Ratio will decrease because long-term loan will decrease but total equity (shareholders' funds) will remain unchanged. | 1 |
| :---: | :---: | :---: |
| 24. | (b) Inventory Turnover Ratio | 1 |
| 25. | Operating Profit Ratio $=100-87.05 \%=12.95 \%$. | 1 |
| 26. | 20\% increase | 1 |
| 27. | Creditors are interested to know short term solvency position of a firm i.e. its ability to meet its short term liabilities so are interested in Financial Statement analysis. | 1 |
| 28. | Outflow of cash as cash is decreasing. | 1 |
| 29. | (d) All of the Above | 1 |
| 30. | (a) Total revenue from operations $=₹ 5,00,000$ <br> (2marks) <br> Gross Profit $=1 / 4$ of cost $=1 / 5$ of sales $1 / 5$ of $5,00000=1,00,000$ <br> Cost of Revenue from operations= Net Revenue from operations-Gross Profit $=₹ 5,00,000$-Rs. $1,00,000=₹ 4,00,000$ <br> Cost of Revenue from operations = Opening Inventory + Net Purchases Closing inventory ₹ $4,00,000=$ Opening inventory + ₹ $3,00,000$-₹ 60,000 | 3 |

Opening inventory $=₹ 1,60,000$.
(b) Current Liabilities $=6,80,000 \quad$ Inventory $=10,54,000 \quad(1$ Mark $)$

OR
(a) Interest Coverage Ratio= Net Profit before Interest and Tax/ Interest on Long Term Debts

Net Profit after Tax $=₹ 6,00,000 \quad$ Tax Rate $=40 \%$
Net Profit before tax $=100 /(100-$ Tax $) x$ Net Profit after tax $=100 / 60 \mathrm{X} 6,00,000=10,00,000$
Net Profit before Interest \& Tax $=$ Net Profit before tax + Interest on Long Term Debts

$$
=10,00,000+4,80,000=14,80,000
$$

Interest Coverage Ratio $=$ Net Profit before Interest and Tax / Interest on Long Term Debts

$$
=14,80,000 / 4,80,000=3.08 \text { Times }
$$

Significance of Interest Coverage Ratio: It reveals the number of times Interest on Long Term Debts is covered by the profits available. A higher ratio ensures safety of interest on Long Term Debts. (1)
(b) The Interest coverage ratio will improve if the company decides to redeem ${ }^{`} 5,00,000$ debentures assuming that Net Profit after interest and the tax rate will be same.
31.

Statement of Profit and Loss
For the years ended $31^{\text {st }}$ March, 2018 and 2019

| Particulars | $2017-18$ <br> $₹$ | $2018-19$ <br> $₹$ | Absolute <br> Change | Change <br> in $\%$ |
| :--- | ---: | ---: | ---: | ---: |
| Revenue from Operations | $\underline{25,00,000}$ | $\underline{40,00,000}$ | $\underline{15,00,000}$ | $\underline{60}$ |
| Less: Expenses |  |  |  |  |
| (a)Employee Benefit Expenses | $1,25,000$ | $2,00,000$ | 75,000 | 60 |
| (b)Other Expenses |  |  |  |  |
| Total Expense | $5,90,000$ | $6,80,000$ | 90,000 | 15.25 |
| Profit before Tax | $\underline{7,15,000}$ | $\underline{8,80,000}$ | $\underline{1,65,000}$ | $\underline{23.07}$ |
| Less : Taxes @ 35\% | $17,85,000$ | $31,20,000$ | $13,35,000$ | 74.78 |
| Profit after Tax | $6,24,750$ | $10,92,000$ | $4,67,250$ | 74.78 |
|  | $\underline{\mathbf{1 1 , 6 0 , 2 5 0}}$ | $\underline{\mathbf{2 0 , 2 8 , 0 0 0}}$ | $\underline{\mathbf{8 , 6 7 , 7 5 0}}$ | $\underline{\mathbf{7 4 . 7 8}}$ |

(2 marks for absolute Change and 2 Marks for Percentage change)
OR
Common Size Balance sheet of Star Ltd. as on 31.3.2019

| Particulars | Note <br> No. | 31.03 .2019 <br> (₹) | $\%$ |
| :--- | :--- | ---: | ---: |
| I. Equity and Liabilities <br> 1. Shareholders' funds <br> (a) Share capital <br> (b) Reserves and Surplus <br> 2. Non-Current Liabilities <br> long term borrowings <br> 3. Current Liabilities <br> Trade payables |  |  |  |
| TOTAL |  | $30,00,000$ | 60 |
| II. ASSETS | $4,00,000$ | 8 |  |
| (1) Non-Current Assets | $10,00,000$ | 20 |  |


| (a) Fixed Assets |  |  |  |
| :--- | ---: | ---: | ---: |
| (i) Tangible assets |  | $30,00,000$ | 60 |
| (ii) Intangible assets | $6,00,000$ | 12 |  |
| (2) CURRENT ASSETS |  |  |  |
| (a) Inventories | $10,00,000$ | 20 |  |
| (b) Cash and cash equivalents | $4,00,000$ | 8 |  |
| TOTAL |  | $50,00,000$ | 100 |

( 8 Items * $1 / 2$ ) $=4$ Marks
32.

| Working Note No:1 Provision for Tax a/c | Amt(₹) | Particulars | Amount (₹)) |
| :--- | ---: | :--- | ---: |
| Particulars | 70,000 | By bal b/d | 60,000 |
| To Cash (Tax Paid) | 80,000 | By Provision <br> (made during <br> the year) | 90,000 |
| To Bal c/d | $1,50,000$ |  | $1,50,000$ |

Working Note No. 2 Net Profit Before tax
Surplus i.e. Balance in statement of Profit and Loss - 1,00,000
Add: Provision for Tax $\quad-\quad \underline{90,000} \quad 1,90,000$
In the books of Krishna Ltd.
Cash Flow Statement For the year ended 31st March 2017

| Particulars | $₹$ |  |
| :--- | ---: | ---: |
| CASH FLOWS FROM OPERATING ACTIVITIES |  |  |
| Net profit before tax (Working Note 2) | $1,90,000$ |  |
| Add non operating/non- cash items: | 60,000 |  |
| Depreciation on machinery | 60,000 |  |
| Goodwill Written off | $3,10,000$ |  |
| Operating profit before working capital changes | 40,000 |  |
| Add increase in Trade Payables | $(50,000)$ |  |
| Less Increase in Inventories | $1,00,000,000$ |  |
| Increase in Trade Receivables | $(70,000$ |  |
| Cash generated from operations |  | 30,000 |
| Income Tax paid | $(760,000)$ |  |
| Cash flow from operating activities |  | $(7,60,000)$ |
| CASH FLOWS FROM INVESTING |  |  |
| Purchase of machinery | $4,00,000$ |  |
| Cash Used in Investing Activities | $3,60,000$ |  |
| CASH FLOWS FROM FINANCING ACTIVITIES |  | $(7,60,000)$ |
| Issue of shares |  | 30,000 |
| Long term borrowings |  | 60,000 |
| Cash flow from financing activities |  |  |
| Net increase in cash and cash equivalents |  |  |
| Add opening balance of cash and cash equivalents |  |  |
| Closing balance of cash and cash equivalents |  |  |
| (18 Items * 1/3) = 6 marks |  |  |

