# Rizvi College of Arts Science \& Commerce 

## Redemption of Debentures

Accountancy and Fin Mgmt- IV

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## Syllabus for AFM-IV

1. Introduction to Company Account.
2. Issue of Debentures.
3. Redemption of Preferences shares.
4. Redemption of Debentures
5. Profit prior to Incorporation.

## Redemption of Debentures

- Redeem means to pay back
- Types of Debentures

1. Redeemable Debentures ( redeem at specific future date)
2. Irredeemable debentures( redeem on wound up)


## Redemption of Debentures By Conversion

1. Amount due to debentureholder

- Debentures(old)A/c ............Dr. To Debentureholder A/c.

2. Conversion by new issue at par.

- Debentureholder A/c .........Dr

To Equity share capital
To Preferences share capital
. To Debentures (new)

3 Conversion by new issue at premium.

- Debentureholder A/c .........Dr

To Equity share capital
To Preferences share capital
To Debentures (new)
To Securities Premium A/c
4. Adjustment of Security Premium.

Security Premium A/c Dr
To Premium on Redemption $A / c$

- 5.Transfer to General Reserve
- Profit and loss Account.....Dr

To General Reserve Account

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gacevalue or 0,000 cquity Shares =3,500\times₹ 12 - 0,000 shares
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gecurities Premium on 3,500 Equity Shares $=3,500 \times ₹ 5,000$
|ustration 16 :
company gave notice of its intention to redeem its outstanding ₹ $4,00,000,12 \%$ Debenture Stock at 102 percent, and offered the holders the following options
roapply the redemption money for subscribing :
a) $8 \%$ Cumulative Preference Shares of $₹ 20$ each at $₹ 22.50$ per share.
b) $10 \%$ Debenture Stock at 96 percent.
(d) To have their holding redeemed for cash
foders of ₹ $1,71,000$ stock accepted the proposal (a). toders of ₹ $1,44,000$ stock accepted the proposal (b).
and the remaining stock holders accepted the proposal (c).
pass the journal entries to record the above transactions. Requirement of depositing or investing he amount at the beginning of the year may be ignored.
(CBSE, adapted)
solution :
Journal Entries

| No. | Particulars | Dr. ₹ | Cr. ₹ |
| :---: | :---: | :---: | :---: |
| 1. | $12 \%$ Debentures A/c | Dr. | $4,00,000$ |

## Journal Entries in the books of Company

1. 12\%Debentures Account.................Dr. 4,00,000

- Premium on Redemption Account...Dr. 8,000
. To Debentureholder Account......... 4,08,000
\{Being Amount due to debentureholder at a premium@2\%\}

2. Debentureholder Account................Dr. 1,74,420

To 8\%Cum. Preference share capital A/c 1,55,040
To Securities Premium Account. 19,380
\{Being 12\%Debentureholder converted into Pref shares\}
3. Debentureholder Account...........Dr. 1,46,880

Discount on issues A/c ..................Dr. 6,120
. To $\mathbf{1 0 \%}$ Debenture $\mathrm{A} / \mathrm{c}$. 1,53,000
\{Being 12\% Deb converted into 10\%Deb at Discount₹ 4/-\}
4. Debentureholder Account...........Dr. 86,700
. To Bank A/c.
86,700
\{Being 12\% Deb redeem by cash\}
5. Securities Premium Account.......Dr 8,000

To Premium on Redemption A/c. 8,000
\{Being Premium on Redemption adjusted\}
6.Profit/loss Account...................Dr. 21,250
. To General Reserve Account.
21,250
\{Being amount transferred to gen reserve $A / c$ \}

## Working columns

$12 \%$ Debentures. ₹ $4,00,000$. Number of deb $4,00,000 \div 100=4,000$
Premium 4,000×2 = ₹ 8,000
Total. Redemption. ₹ $\mathbf{4 , 0 8 , 0 0 0}$

Conversion to Pref shares ₹ $1,71,000+2 \%=₹ 3,420$ Amount 1,74,420
Number of pref shares $\mathbf{1 , 7 4 , 4 2 0} \div \mathbf{2 2 . 5 0}=\mathbf{7 , 7 5 2}$ shares.
Amount of pref shares $7,752 \times 20=₹ \mathbf{1 , 5 5 , 0 4 0}$
Securities Premium. 7,752 $\times 2.50=₹ \mathbf{1 9 , 3 8 0}$

- Conversion to $10 \%$ Deb ₹ $1,44,000$ + 2\% = ₹ 2,880 Amount 1,46,880

Number of deb $1,46,880 \div 96=1,530$ deb
Amount of deb 1,530 $\times 100=₹ 1,53,000$
Discount on issue $=1,530 \times 4=6,120$

Redeem by cash
Remaining to be redeemed by cash 4,00,000-1,71,000-1,44,000=85,000
Premium $85,000+2 \%=86,700$
General Reserve. $85,000 \times 25 \%=21,250$
ying Note.
er Preference Shares Issued $=\frac{1,50,000}{12}=12,500$
ation 18 : (Red. @ Prem; Cash/PS @ Prem./Deb. @ Par)
Limited had issued $5,00012 \%$ Debentures of $₹ 100$ each under SEBI regulations redeemable 31 st December, 2013 at a premium of $5 \%$. The company offered three options to Debenture
$4 \%$ Preference Shares of $₹ 10$ at ₹ 12 ; (ii) $15 \%$ Debentures of $₹ 100$ at par; (iii) Redemption in ${ }_{4} 5^{5}$ h.
ne options were accepted as under:
option by holders of 1,500 debentures; (ii) option by holders of 1,500 debentures; (iii) option by dders of 2,000 debentures. The redemption was carried out by the company after creating Debenture pedemption Reserve for twice the minimum amount required by law. Show Journal entries.

## Journal of Beeta Ltd.



## Working columns

- $12 \%$ Debentures 5,000 $\times 100=₹ 5,00,000$
- Add 5\% Premium.
- Amount of redemption. = ₹ 5,25,000
- Option 1. 14\% preferences shares of₹ 10 at ₹ 12.
- Number of Debentures $\mathbf{1 , 5 0 0 \times 1 0 0 = ₹ 1 , 5 0 , 0 0 0}$
- Add 5\% Premium. = ₹ 7,500
- Amount for conversion. =₹ 1,57,500
- Numbers of preferences shares $1,57,500 \div 12=13,125$ shares.
- Amount of preferences shares $13,125 \times 10=1,31,250$.
- Securities premium. $13,125 \times 2=\underline{26,250}$
- Option no 2. 15\% Debentures of ₹ 100 at par.
- Number of Debentures $1,500 \times 100=₹ 1,50,000$
- Add 5\% Premium. =₹ $\underline{7,500}$
- Amount for conversion. = ₹ 1,57,500
- Option no 3.Redemption incash.
- Number of Debentures $2,000 \times 100=₹ 2,00,000$
- Add 5\% Premium.
- Amount for conversion.
= ₹ 10,000
= ₹ 2,10,000
- General Reserve is calculated on cash $2,00,000 \times 25 \%=50,000 \times 2=$ 1,00,000


## Journal Entries in the books of Beeta Ltd

1. $12 \%$ Debentures $A / c . . . . . . . . . . . . . . . . . . . . D r ~ 5,00,000 ~$
. Premium on Redemption A/c........Dr 25,000
To Debentureholder A/c. 5,25,000
\{Being amount due on redemption at a premium@5\%\}
2. Debentureholder Account....................Dr 1,57,500

- To $14 \%$ Preferences share capital A/c. 1,31,250

$$
\text { To Securities Premium A/c. } 26,250
$$

\{Being 1,500deb converted into preferences at premium ₹ 2 \}
3. Debentureholder Account........Dr. 1,57,500
. To 15\% Debentures A/c. 1,57,500
\{Being 1,500 Deb converted into new 15\% deb at par\}
4. Debentureholder Account...........Dr. 2,10,000
. To Bank A/c. 2,10,000
\{Being 2,000deb redeem for cash \}
5. Securities premium $A / c$........Dr. 25,000

- To Premium on Redemption A/c. 25,000
\{ Being Premium amount adjusted\}

6. Profit and loss Account......Dr 1,00,000

- To General Reserve Account. 1,00,000
\{Being amount transferred to gen reserve\}
$y(5)$ is passed to transfer the amount equal to face value of debentures redeem general reserves as the redemption is fully out of profits. gration 20 : (Red. @ Prem; Cash/PS @ Prem/Deb. © Dis.)
LId. gave notice of its intention to redeem its outstanding ₹ $6,00,000$ - $8 \%$ debentures at ₹ 103 foffered the holders the following options:
(3) $10 \%$ Preference shares of $₹ 20$ each at $₹ 25$.
(b) $9 \%$ Debentures at $₹ 96$.
(c) To have their holdings redeemed for cash.
(i) The holders of $₹ 1,80,000$ debentures accepted proposal (a).
(ii) The holders of $₹ 2,40,000$ debentures accepted proposal (b).
(iii) The remaining debenture holders accepted proposal (c).

Pass necessary journal entries in the books of Enron Ltd. assuming the redemption was made ti out of profits, if applicable.

## Solution :

## Enron Ltd.

Journal


## Enron limited

- $8 \%$ Deb ₹ $6,00,000$. Number of Deb 6,00,000 $\div 100=6,000$.
- Add premium 6,000 x 3 =18,000.
- Amount of Redemption 6,00,000+18,000=6,18,000.
- Option a) $10 \%$ pref shares $1,80,000+3 \%=1,85,400$
- Number of pref shares $1,85,400 \div 25=7,416$ shares.
- Amount of pref shares 7,416 $\times 20=₹ \mathbf{1 , 4 8 , 3 2 0}$.
- Securities Premium 7,416 $\times 5$ =₹ 37,080
- Option b) 9\% Deb ₹ $2,40,000$ + 3\% = ₹ $\mathbf{2 , 4 7 , 2 0 0}$
- Number of Deb 2,47,200 $\div 96=2,575$ deb
- Amountvof deb 2,575 $\times 96$ = ₹ 2,47,200.
- Discount on deb 2,575 $\times 4$ =₹ 10,300
- Optionc) Redeem for Cash
- Remaining Amt of deb 6,00,000-1,80,000-2,40,000=1,80,000
- Redeem for cash 1,80,000 + 3\% = ₹ $1,85,400$
- General Reserve (out of profit) ₹ 1,80,000

1. $8 \%$ Debentures $A / c . . . . . . . . . . . . . . . . . . . . . D r ~ 6,00,000 ~$
. Premium on Redemption A/c........Dr 18,000
To Debentureholder A/c. 6,18,000
\{Being amount due on redemption at a premium@3\%\}
2. Debentureholder Account....................Dr 1,85,400
. To $\mathbf{1 0 \%}$ Preferences share capital $\mathrm{A} / \mathrm{c}$.
1,48,320
To Securities Premium A/c. 37,080
\{Being 1,80,000deb converted into preferences at premium ₹5\}
3. Debentureholder Account...........Dr. 2,47,200

Discount on issues $A / c$..................Dr. 10,300

- To 9\%Debenture A/c. 2,57,500
\{Being 2,40,000Deb converted into 9\%Deb at Discount₹ 4/-\}

4. Debentureholder Account...........Dr. 1,85,400
. To Bank A/c.
1,85,400
\{Being remaining Deb redeem by cash\}
5. Securities premium $A / c . . . . . . . D r . \quad 18,000$

- To Premium on Redemption A/c. 18,000
\{ Being Premium amount adjusted\}

6. Profit and loss Account......Dr $1,80,000$
. To General Reserve Account. 1,80,000
\{Being amount transferred to gen reserve out of profit\}

## Redemption out of capital

## 1. Redemption at par

- Debentures A /c..............Dr
- To Debentureholder $A / c$

2. Redemption at premium. Debentures A /c .................Dr
Premium on redemption $A / c . D r$

- To Debentureholder A/c
3.Redemption at discount.

Debentures A /c..........Dr

- To Debentureholder A/c
- To Profit on Redemption A/c


## 4.Payment to Debentureholder

 Debentureholder A/c ......Dr- To Bank A/c


## Debentures issued at par premium and discount

## 1. Debenture issued at par.

Bank A/c..................................Dr

- To Debentures A/c.
\{Being debenture issued at par\}

2. Debenture issued at premium

Bank A/c............................... Dr
To Debentures A/c
. To Securities Premium A/c \{Being deb issued at premium\}
3. Debenture issued at discount

Bank A/c.................................Dr
Discount A/c..........................Dr
To Debentures $A / c$.
\{Being deb issued at discount $\}$
4. Debenture Interest.

Deb Interest A/c................Dr
To Bank A/c
\{Being deb interest paid\}
quirements (see Para 4) such full redemption out of nrequirement of redemption out of profit (see Institutions or Banking Companies are exempt fital.
gration 1 : (Redemption fully out of capital in annual instalments)
gat Bank Ltd. issued $50,00015 \%$ debentures of $₹ 1,000$ each at $₹ 952$ per debenture. The wentures are redeemableinfive anmual instalments of 200 each) $1 t$ is decided to write off discount poportion to the amount of debenture minance usage over the various years. ware asked to :
Prepare statement for write off of discount over the five year period.
Pass appropriate journal entriess in year 1 and year 2.
ssume that the redemption ts out of capital.
butution :
Journal of Bharat Bank Limited

| Pate | No. | Particulars |  | Dr. ₹ | Cr. ₹ |
| :---: | :---: | :---: | ---: | :---: | :---: |
| lear 1 | 1. | Bank A/c <br> Discount on Issue of Debentures A/c <br> To 15\% Debentures A/c | Dr. | $4,76,00,000$ |  |

## Working columns

- Debentures issued at discount
- 50,000 x 952 =4,76,00,000.
- $50,000 \times 48=24,00,000$
- $50,000 \times 1,000=5,00,00,000$
- Debentures interest
- 5,00,00,000 x 15\% = 75,00,000
- Discount to be write off in 5 year
- $24,00,000 \times 5 / 15=8,00,000$
- 24,00,000x4/15=6,40,000
- $24,00,000 \times 3 / 15=4,80,000$
- $24,00,000 \times 2 / 15=3,20,000$
- $24,00,000 \times 1 / 15=1,60,000$.


## Journal Entries in the books of Bharat Bank limited

1. Bank A/c....................................................Dr.4,76,00,000

Discount on issue of Debentures A/ c........Dr. 24,00,000
To $15 \%$ Debentures A/ c.
5,00,00,000
\{Being 50,000 deb of ₹ $\mathbf{1 , 0 0 0}$ issued at ₹ 952 \}
2.Debenture interest A/c...........................Dr 75,00,000
. To Bank A/ c.
75,00,000
\{Being interest paid @15\% to Debentureholder\}
3. Profit \& loss Account................................Dr83,00,000
. To Debentures Interest Account 75,00,000
To Discount on issue of Debentures $A / c$. 8,00,000 \{Being Deb interest and Discount trf to P/LA/c\}
4. 15\% Debentures A /c...............................Dr 1,00,00,0000 To Bank A/c. 1,00,00,000
\{Being $1^{\text {st }}$ Installment of $₹ 200$ each on 50,000 deb repaid\}

- $2^{\text {nd }}$ year
1.Debenture interest A/c...........................Dr 60,00,000
- To Bank A/ c.

60,00,000
\{Being interest paid @15\% to Debentureholder₹ $4,00,00,000$ \}
2. Profit \& loss Account................................Dr 66,40,000

- To Debentures Interest Account

60,00,000
To Discount on issue of Debentures $A / c$.
6,40,000
\{Being Deb interest and Discount trf to P/LA/c\}
3) $15 \%$ Debentures $A$ /c...............................Dr 1,00,00,0000

To Bank A/c.
$1,00,00,000$
\{Being $2^{\text {nd }}$ Installment of $₹ 200$ each on 50,000 deb repaid\}

## Redemption out of profit Debentures Redemption Reserve Account

- Transfer 25\% - The companies Act 2013,section 71(4) together with companies (share capital and debenture)Rules 2014, require a company to create DRR of an amount atleast equal to 25\% of nominal value of Debentures that are redeemable by it.
- Exempt - The following companies are exempt from creating DRR.

1. All India Financial Institutions (AIF)regulated by RBI
2. Privately placed debenture by Non banking and other financial Institutions (LIC,UTI)

- Debentures Redemption Investment:

1. $15 \%$ - Every company require to maintain DRR on or before $30^{\text {th }}$ April each year, deposit or invest as the case may be, a sum shall not less than $15 \%$ of the amount of its debenture maturing during 31 ${ }^{\text {st }}$ March next year.
2. Modes-Such investment shall be in anyone or more of the following.

- Deposit any scheduled bank,free charge or lien.
- In unencumbered Securities of central or any state government.


## Journal Entries

## 1. Investment made $15 \%$ of face value of Debentures to be redeemed

- Deb Redemption Investment A/c.....Dr
- To Bank A/c
2.Interest on investment Bank A/c. Dr
To Interest earned.
3.Investment Encashed.

Bank A/c.
Dr.
To Deb Redemption Investment $A / c$

- 4.transfer profits from profit \& loss Account.
- Profit \& Loss Account......Dr
- General Reserve A/c ......Dr
- To Deb Redemption Reserve A/c
5.On Redemption of Debentures.

Debentures A/c. Dr

- To Debentureholder A/c

6. Payment to Debentureholder Debentureholder A/c $\qquad$ .Dr

- To Bank A/c

7. When all debenture are redeemed.
Deb Redempt Reserve A/c.......Dr

- To General Reserve A/c

| 4. 31st March, 2020 | On or Before 30th <br> April, 2019 | $25 \%$ of ₹ $20,00,000=$ <br> $₹ 5,00,000$ | $15 \%$ of $₹ 5,00,000$ <br> $₹ 75,000$ |
| :--- | :--- | :--- | :--- |
| 5. 31st March, 2021 | On or Before 30th <br> April, 2020 | $20 \%$ of $₹ 20,00,000=$ <br> $₹ 4,00,000$ | $15 \%$ of $₹ 4,00,000=$ <br> $₹ 60,000$ |

## Illustration 3 :

Noida Toll Bridge Corporation Ltd. has outstanding $50,000,8 \%$ debentures of $₹ 100$ each issued in) 2005 due for redemption on March 31, 2015. It was decided to invest the required amount inf investment earning $10 \%$ p.a. interest on April 30th, 2014. How much amount of Debenture Redemption Reserve should be credited before the redemption of debentures begin ? Recrid necessary entries regarding redemption of debentures.

## Solution :

## In the Books of Noida Toll Bridge Corporation Ltd. JOURNAL ENTRIES



## In the books of Noida Toll Bridge Corporation Journal Entries

| - Date Particular's. | Lf. | Dr. | Cr |  |
| :--- | :--- | :--- | :--- | :--- |
| 30 |  |  |  |  |
| 2014 | To Bank A/c. | April Deb Redemp Investment A/c..Dr. | 7,50,000 |  |
|  |  |  | $7,50,000$ |  |

\{Being investment made 15\% on 50,000deb of₹ 100\}

31 ${ }^{\text {st }}$ March. Bank Account.....................Dr. 68,750
2015 To Interest Earned A/c.
68,750
\{Being Interest received on investment\} 7,50,000 x 10\% x 11/12\}

- Date Particular's. Lf. Dr. Cr
- 31 ${ }^{\text {st }}$ March. Bank Account....................Dr. 8,18,750 2015 To Deb Redempt investment A/c. 8,18,750 \{Being Investment Encashed\}

31 ${ }^{\text {st }}$ March Profit \& Loss A/c.................Dr. $12,50,000$
2015. To Deb Redemption Reserve A/c.
\{Being 25\% of nominal value trf to DRR\}

$$
50,000 \times 100 \times 25 \%=12,50,000\}
$$

$\begin{array}{lcc}\text { - Date Particular's. } & \text { Lf. } & \text { Dr. } \\ 31^{\text {st }} \text { March. } & \text { Debentures A/c .................Dr. } & 50,00,000\end{array}$
To Debentureholder $A / c$.
50,00,000

- \{Being amount due on redemption\}

31 ${ }^{\text {st }}$ March Debentureholder A/c...........Dr. 50,00,000
To Bank A/c.
50,00,000
\{ Being amount paid to Debentureholder\}

| - Date Particular's. | L f. | Dr. |
| :--- | :--- | :---: |
| 31 ${ }^{\text {st }}$ March. Deb Redemp Reserve A/c....Dr | $12,50,000$ |  |

To General Reserve A/c. \{Being all deb redeemed through DRR\}

Illustration 6 : (Redemption in lots / instalments)
Vasundhra Ltd. has $6,000,8 \%$ of debentures of $₹ 100$ each due for redemption in four equal annual instalments starting from March 31.2013. Debenture Redemption Reserve has a balance of 70,000 on that date. Record ne-esessary journal éntries. The company complied with the requirements with respect to investment made in Government Securities on 30th April, 2012.

## Solution :

Journal Entries of Vasundhra Ltd.

| Date | No. | Particulars | Dr. (\%) | Cr. (\%) |
| :---: | :---: | :---: | :---: | :---: |
| $\begin{gathered} 2012 \\ \text { Apr. } 30 \end{gathered}$ | 1. | Debenture Redemption Investment A/c <br> To Bank A/c <br> [Being investment made in Government Securities of amount equal to $15 \%$ of the face value of debentures to be redeemed i.e. $15 \%$ of ₹ $1,50,000$ ] | 22,500 | 22,500 |
| $\begin{array}{r} 2013 \\ \text { Mar. } 31 \end{array}$ | 2. | $\qquad$ <br> Profit and Loss A/c <br> To Debenture Redemption Reserve A/c <br> [Being transfer of profits to Debenture Redemption Reserve] | 80,000 | 30.000 |
| Mar. 31 | 3. | 8\% Debentures A/c Dr. |  |  |

## Working columns

- $6,000 \times 100=6,00,000$
- Annual installment 6,00,000 $\div 4=$ ₹ $1,50,000 /-$
- Transfer $15 \%$ on 1,50,000 = ₹ $22,500 /-$


## In the books of Vasundhra Ltd

- Date. Particular's. L/f. Dr. Cr
- 2012. Deb Redempt investment A/c ....Dr 22,500
- 30 ${ }^{\text {th }}$ April. To Bank A/c. 22,500
- . \{Being amt invested in govt securities $15 \%$ on $1,50,000\}$
- 2013. Profit \& loss Account.............Dr. 1,50,000
- $31^{\text {st }}$ March To Deb Redempt Reserve A/c. 1,50,000
- \{Being transfer of profit $25 \%$ of nominal value of deb issued\}
- Date. Particular's. L/f. Dr. Cr
- 31 ${ }^{\text {st }}$ March. 8\% Debentures A/c ..............Dr. 1,50,000

To Debentureholder Account. 1,50,000 \{Being amount payable to Debentureholder\}

31 ${ }^{\text {st }}$ March. Debentureholder Account.......Dr 1,50,000 To Bank A/c.
\{ Being amount paid to Debentureholder\}

- Date. Particular's. L/f. Dr. Cr
- 31 st March. 8\% Debentures A/c ..............Dr. 1,50,000

2014. To Debentureholder Account. 1,50,000 \{ Being amount payable to Debentureholder\}

31 ${ }^{\text {st }}$ March. Debentureholder Account.......Dr 1,50,000 To Bank A/c.

1,50,000
\{ Being amount paid to Debentureholder\}

- Date. Particular's. L/f. Dr. Cr
- 31 ${ }^{\text {st }}$ March. 8\% Debentures A/c ..............Dr. 1,50,000
$2015 \begin{gathered}\text { To Debentureholder Account. } \\ \text { \{Being amount payable to Debentureholder\} }\end{gathered}$

31 ${ }^{\text {st }}$ March. Debentureholder Account.......Dr 1,50,000
To Bank A/c.
1,50,000
\{ Being amount paid to Debentureholder\}

- Date. Particular's. L/f. Dr. Cr
- 2016. Bank Account.........................Dr. 22,500
- 31 ${ }^{\text {st }}$ Mar To Deb Redempt investment $A / c$. 22,500
- \{Being investment Encashed\}
- 31 ${ }^{\text {st }}$ March. 8\% Debentures A/c Dr. 1,50,000
To Debentureholder Account.
1,50,000
\{ Being amount payable to Debentureholder\}
- Date. Particular's. L/f. Dr. Cr 31 ${ }^{\text {st }}$ March. Debentureholder Account.......Dr 1,50,000

To Bank A/c.
1,50,000
\{ Being amount paid to Debentureholder\}
$31^{\text {st }}$ March. Deb Redemp Reserve A/c....Dr 1,50,000
To General Reserve A/c.
1,50,000

- \{Being all deb redeemed through DRR\}


## The End

