Rizvi College of Arts Science & Commerce

Redemption of Debentures

Accountancy and Fin Mgmt-IV

Class SYBCOM
Nadeem Parve
Assistant Professor
Department of Accountancy

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/cDr.
 To Debentureholder A/c.
- 2. Conversion by new issue at par.
- Debentureholder A/cDr
 To Equity share capital
 To Preferences share capital
- . To Debentures (new)

- 3 <u>Conversion by new issue at premium.</u>
- Debentureholder A/cDr
 - 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

- <u>5.Transfer to General Reserve</u>
- Profit and loss Account.....Dr
 To General Reserve Account

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value of 3,500 Equity Shares = 3,500 x ₹ 10 = ₹ 35,000
                                                      3,500 shares
  Face value Premium on 3,500 Equity Shares = 3,500 x ₹ 10 = ₹ 35,000 x ₹ 2 = ₹ 7,000
 wstration 16:
 nompany gave notice of its intention to redeem its outstanding ₹ 4,00,000, 12% Debenture Stock at
 percent, and offered the holders the following options:
 papply the redemption money for subscribing :
 8% Cumulative Preference Shares of ₹ 20 each at ₹ 22.50 per share.
 10% Debenture Stock at 96 percent.
 To have their holding redeemed for cash.
Holders of ₹ 1,71,000 stock accepted the proposal (a).
Holders 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
                                                                                          Cr. ₹
                                                                               Dr. ₹
                                Particulars
                                                                              4,00,000
                                                                       Dr.
   12% Debentures A/c
```

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}
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3. Debentureholder Account......Dr. 1,46,880 Discount on issues A/c ......Dr. 6,120
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. To 10%Debenture A/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 8,000To Premium on Redemption A/c. 8,000{Being Premium on Redemption adjusted}

. 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÷100= 4,000 Premium 4,000 × 2 = ₹ 8,000 Total. Redemption. ₹ 4,08,000

Conversion to Pref shares ₹ 1,71,000 + 2% = ₹ 3,420 Amount 1,74,420 Number of pref shares 1,74,420÷ 22.50= 7,752 shares.

Amount of pref shares 7,752× 20=₹ 1,55,040 Securities Premium. 7,752 × 2.50= ₹ 19,380

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

Number of deb 1,46,880÷ 96= 1,530 deb

Amount of deb $1,530 \times 100 = ₹ 1,53,000$

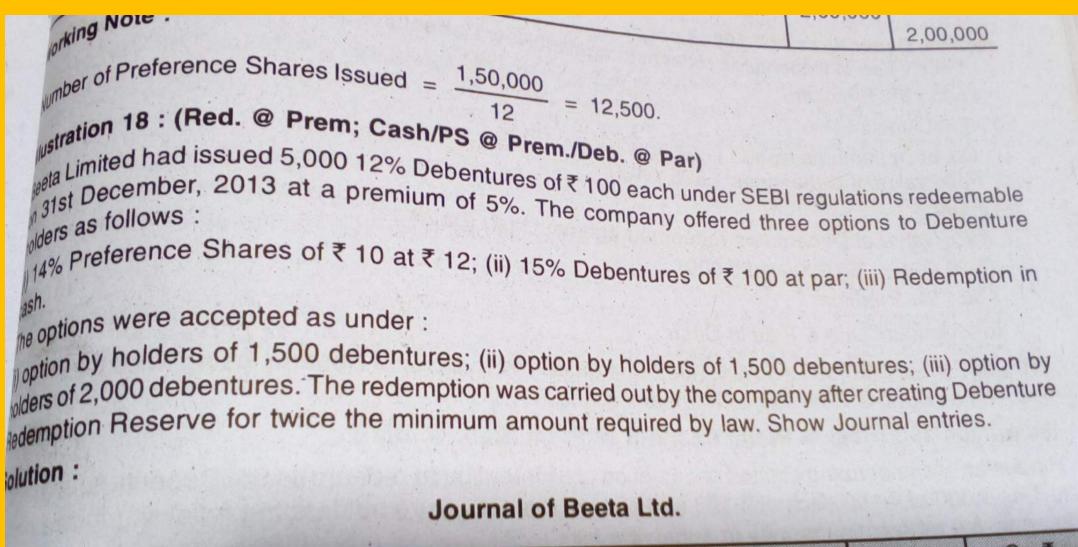
Discount on issue= $1,530 \times 4 = 6,120$

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 × 25% = 21,250



William or a second		Particulars			r. ₹
ate	No.	The state of the s	Dr.	5,00,000	
13	1.	12% Debentures A/C	Dr.	25,000	

Working columns

- 12% Debentures 5,000 × 100 = ₹ 5,00,000
- Add 5% Premium. = ₹ <u>25,000</u>
- Amount of redemption. = ₹ <u>5,25,000</u>
- Option 1. 14% preferences shares of₹ 10 at ₹ 12.
- Number of Debentures 1,500 x 100 = ₹ 1,50,000
- Add 5% Premium. = ₹ <u>7,500</u>
- Amount for conversion. = ₹ 1,57,500

- Numbers of preferences shares 1,57,500÷12 = 13,125 shares.
- Amount of preferences shares 13,125 x 10 = 1,31,250.
- Securities premium. 13,125 x 2 = 26,250

$$13,125 \times 2 = 26,250$$

- Option no 2. 15% Debentures of ₹ 100 at par.
- Number of Debentures 1,500 x 100 = ₹ 1,50,000
- Add 5% Premium. **=** ₹ 7,500
- Amount for conversion. **=** ₹ 1,57,500

- Option no 3.Redemption incash.
- Number of Debentures 2,000 x 100 = ₹ 2,00,000
- Add 5% Premium. = ₹ <u>10,000</u>
- Amount for conversion. = ₹ 2,10,000

• General Reserve is calculated on cash 2,00,000 x 25% = 50,000 x 2= 1,00,000

Journal Entries in the books of Beeta Ltd

```
1. 12% Debentures A/c......Dr 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
        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}

(5) is passed to transfer the amount equal to face value of debentures redeemed in cash general reserves as the redemption is fully out of profits. eleration 20 : (Red. @ Prem; Cash/PS @ Prem/Deb. @ Dis.) Ltd. gave notice of its intention to redeem its outstanding ₹ 6,00,000 - 8% debentures at ₹ 103 toffered the holders the following options: (a) 10% Preference shares of ₹ 20 each at ₹ 25. (b) 9% Debentures at ₹ 96. (c) To have their holdings redeemed for cash.

Accountancy and Financial Management (S. Y.B. Com.: SEM-IV)

- (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 to out of profits, if applicable.

Solution:

Enron Ltd. Journal

No.	Particulars		Dr. ₹	Cr.
	8% Debentures A/c Premium on Redemption A/c To Debentureholders A/c [Being amount payable transferred to Debentureholders A/c]	Dr. Dr.	6,00,000	6,1
	[Being amount payable translemed to be a light of the Debentureholders A/c	Dr.	1,85,400	1

Enron limited

- 8%Deb ₹ 6,00,000. Number of Deb 6,00,000÷100= 6,000.
- Add premium $6,000 \times 3 = 18,000$.
- 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÷ 25 = 7,416 shares.
- Amount of pref shares 7,416 × 20= ₹ 1,48,320.
- *Securities Premium 7,416* × 5 = ₹ 37,080

- Option b) 9% Deb ₹ 2,40,000 + 3% = ₹ 2,47,200
- Number of Deb 2,47,200 ÷ 96 = 2,575 deb
- Amountvof deb 2,575 × 96 = ₹ 2,47,200.
- Discount on deb 2,575 × 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......Dr 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 10% Preferences share capital A/c.
                                                 1,48,320
        To Securities Premium A/c.
                                                   37,080
{Being 1,80,000deb converted into preferences at premium ₹5}
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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/-}
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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.....Dr. 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 /cDr

Premium on redemption A/c.Dr

. 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/cDr

. To Bank A/c

Debentures issued at par premium and discount

1. Debenture issued at par.	3.Debenture issued at discount		
Bank A/cDr	Bank A/cD		
. To Debentures A/c.	Discount A/cDr		
{Being debenture issued at par}	. To Debentures A/c.		
2. Debenture issued at premium	{Being deb issued at discount}		
Bank A/c Dr	4.Debenture Interest.		
To Debentures A/c	Deb Interest A/cDr		
. To Securities Premium A/c	. To Bank A/c		
{Being deb issued at premium}	{Being deb interest paid}		

ital is not possible. However, All India Financial Institutions or Banking Companies are exempt requirement of redemption out of profit (see Para 4) and hence can redeem debentures out-of-

stration 1: (Redemption fully out of capital in annual instalments)

Bank Ltd. issued 50,000 15% debentures of ₹ 1,000 each at ₹ 952 per debenture. The bentures are redeemable in five annual instalments of ₹ 200 each It is decided to write off discount proportion to the amount of debenture finance usage over the various years.

nu are asked to :

Prepare statement for write off of discount over the five year period.

Pass appropriate journal entries in year 1 and year 2.

ssume that the redemption is out of capital.

solution :

Journal of Bharat Bank Limited

Data	No.	Particulars		Dr. ₹	Cr. F
lear 1	1	Bank A/c Discount on Issue of Debentures A/c To 15% Debentures A/c To 15% Debentures Of \$ 1,000 each issued @	Dr.	4,76,00,000 24,00,000	

Working columns

- Debentures issued at discount
- $50,000 \times 952 = 4,76,00,000$.
- $50,000 \times 48 = 24,00,000$
- $50,000 \times 1,000 = 5,00,00,000$

- Debentures interest
- $5,00,000,000 \times 15\% = 75,00,000$

- Discount to be write off in 5 year
- 24,00,000x5/15= 8,00,000
- 24,00,000x4/15= 6,40,000
- 24,00,000x3/15= 4,80,000
- 24,00,000x2/15= 3,20,000
- 24,00,000x1/15= 1,60,000.

Journal Entries in the books of Bharat Bank limited

- 2.Debenture interest A/c......Dr 75,00,000
- . To Bank A/ c. 75,00,000

{Being interest paid @15% to Debentureholder}

{Being 1st Installment of ₹200 each on 50,000 deb repaid}

1,00,00,000

To Bank A/c.

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• 2<sup>nd</sup> 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}
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/ L A/ c}
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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 (AIFI) 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 30th 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 31st 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	 4.transfer profits from profit & loss Account. 			
• Deb Redemption Investment A/cDr	 Profit & Loss AccountDr 			
. To Bank A/c	• General Reserve A/cDr			
2. <u>Interest on investment</u>	. To Deb Redemption Reserve A/c			
Bank A/cDr				
. To Interest earned.	5.On Redemption of Debentures.			
3. <u>Investment Encashed.</u>	Debentures A/cDr			
Bank A /cDr.	. To Debentureholder A/c			
To Deb Redemption Investment A/c	6. Payment to Debentureholder			
	Debentureholder A/cDr			

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	April, 2019 ₹ 5,00,000		₹ 75,000	
5. 31st March, 2021				

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 in 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? Record necessary entries regarding redemption of debentures.

Solution:

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

Date	No	Particulars		Dr. (₹)	Ct. (8)	
2014 Apr.30	1.	Debenture Redemption Investment A/c To Bank A/c [Being investment made @ 15% of the face value of debentures to be redeemed]	Dr.	7,50,000	7,50,000	Oct. 1 5.
2015 Mar.31	2.	Bank A/c Bodomption Investment A/c	Dr.	8,18,750	7,50,000	

In the books of Noida Toll Bridge Corporation Journal Entries

```
Particular's.
• Date
                                                  Dr.
30th April Deb Redemp Investment A/c..Dr.
                                             7,50,000
             To Bank A/c.
2014
                                                       7,50,000
     {Being investment made 15% on 50,000deb of₹ 100}
31st 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}
```

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Particular's.
                                             L f.
• Date
                                                      Dr.
• 31st March. Bank Account......Dr.
                                                 8,18,750
               To Deb Redempt investment A/c.
                                                         8,18,750
2015
           {Being Investment Encashed}
31<sup>st</sup> March Profit & Loss A/c.....Dr.
                                                12,50,000
2015.
              To Deb Redemption Reserve A/c.
                                                           12,50,000
       {Being 25% of nominal value trf to DRR}
        50,000 \times 100 \times 25\% = 12,50,000
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Particular's. • Date L f. Dr. 31st March. Debentures A/cDr. 50,00,000 To Debentureholder A/c. 50,00,000 {Being amount due on redemption} 31st March Debentureholder A/c.....Dr. 50,00,000 To Bank A/c. 50,00,000 { Being amount paid to Debentureholder}

• <u>Date Particular's.</u> <u>L f. Dr. Cr</u>
31st March. Deb Redemp Reserve A/c....Dr 12,50,000

To General Reserve A/c. 12,50,000

{Being all deb redeemed through DRR}

[Being transfer of profits to Debenture Redemption Reserve]

Mar.31

8% Debentures A/c

Working columns

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

In the books of Vasundhra Ltd

Particular's. L/f. • Date. Dr. Deb Redempt investment A/cDr • 2012. 22,500 • 30th 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 • 31st March To Deb Redempt Reserve A/c. 1,50,000

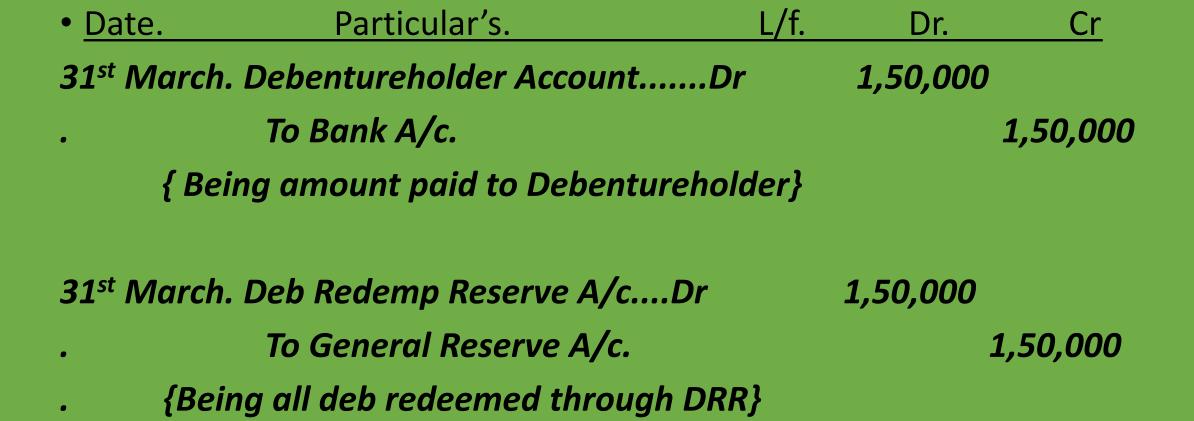
{ Being transfer of profit 25% of nominal value of deb issued}

Particular's. L/f. • Date. Dr. Cr • 31st March. 8% Debentures A/cDr. 1,50,000 To Debentureholder Account. 1,50,000 { Being amount payable to Debentureholder} 31st March. Debentureholder Account......Dr 1,50,000 To Bank A/c. 1,50,000 { Being amount paid to Debentureholder}

Particular's. L/f. • Date. Dr. • 31st March. 8% Debentures A/cDr. 1,50,000 To Debentureholder Account. 1,50,000 *2014.* { Being amount payable to Debentureholder} 31st March. Debentureholder Account......Dr 1,50,000 To Bank A/c. 1,50,000 { Being amount paid to Debentureholder}

Particular's. L/f. • Date. Dr. Cr • 31st March. 8% Debentures A/cDr. 1,50,000 To Debentureholder Account. 1,50,000 2015 { Being amount payable to Debentureholder} 31st March. Debentureholder Account......Dr 1,50,000 To Bank A/c. 1,50,000 { Being amount paid to Debentureholder}

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



The End