

## (2) Written Down Value Method

Under this method, as the value of asset goes on diminishing year after year, the amount of depreciation charged every year also goes on declining. For example, if a machine is purchased for ₹10,000 and depreciation is to be charged at 10% p.a. according to 'Written Down Value Method', the depreciation will be charged as under :—

|  |         |
|--|---------|
|  | ₹       |
| 1st Year on ₹10,000 @ 10%  | = 1,000 |
| 2nd Year on ₹9,000, i.e., $10,000 - 1,000 = 9,000 \times \frac{10}{100}$ | = 900   |
| 3rd Year on ₹ 8,100, i.e., $9,000 - 900 = 8,100 \times \frac{10}{100}$   | = 810   |
| 4th Year on ₹ 7,290, i.e., $8,100 - 810 = 7,290 \times \frac{10}{100}$   | = 729   |

and so on.

It will be observed from the above calculations that each year's depreciation is calculated on the book value of the asset at the beginning of that year, rather than on the original cost. As the value of the asset and also the depreciation charged on it goes on reducing year after year, the method is also known as '**Reducing Instalment Method**' or '**Diminishing Balance Method**'.

### Merits :—

(1) **Easy Calculation** :— It is easy to calculate the depreciation under this method, even if some new assets are purchased year after year. Different assets are grouped for the purpose of providing depreciation.

(2) **Equal charge against income** :— In this method, the total burden on Profit & Loss Account in respect of depreciation and repairs put together remains almost equal year after year. This is so because in the initial years depreciation is more in comparison to repair charges whereas, in the later years, as the asset gets older, the amount of depreciation goes on decreasing while the expenses on repairs go on increasing, thus keeping the combined charge of depreciation and repairs almost uniform.

(3) **No undue pressure in later years** :— The efficiency and usefulness of a machine is more in the earlier years than in later years. Hence, the depreciation in first few years should be more in comparison to the later years. This is ensured by adopting the Diminishing Balance Method.

(4) **Balance of asset is never written off to zero** :— This method ensures that the asset is never reduced to zero so that some depreciation, however small, is debited to Profit & Loss Account so long as the asset remains in use.

(5) **Approved method by Income Tax Authorities** :— This method of providing depreciation is permissible under Income Tax regulations.



**Demerits :—**

(1) **Asset cannot be completely written off** :— Under this method, the value of an asset, even if it becomes obsolete and useless, cannot be reduced to zero and some balance, however small, would continue on Asset Account.

(2) **Omission of Interest Factor** :— As with the original cost method, this method also does not take into consideration the loss of interest on the amount invested in the asset.

(3) **Difficulty in determining the rate of depreciation** :— Under this method, the rate of providing depreciation cannot be easily decided. The rate is generally kept higher because it takes a very long time to write an asset down to its scrap value. If the rate of depreciation is kept lower, the asset may become obsolete earlier.

(4) **Knowledge of Original Cost and upto-date depreciation not possible** :— Under this method, the original cost of various assets is not shown in the Balance Sheet. Sometimes, the assets are grouped in such a way that it becomes difficult to know their specific identity. The residue balance of some assets may continue in the Balance Sheet even after they have been actually scrapped.

**Suitability** :— This method is very suitable in case of assets having a comparatively long life and which require considerable repairs in the later years when they become older, such as building, plant etc.

### Distinction between the two methods

| <i>Basis of Distinction</i>   | <i>Straight Line or Original Cost Method</i>  | <i>Written Down Value Method</i>  |
|---|---|---|
| 1. <b>Amount of depreciation.</b>                                       | Equal depreciation is charged every year.   | Depreciation goes on decreasing year after year.  |
| 2. <b>Basis of calculation of depreciation.</b>                         | Depreciation is charged on the original cost of the asset.  | Depreciation is charged on the reducing balance of the asset.                                     |
| 3. <b>Zero level.</b>   | The book value of the asset can be reduced to zero.   | The book value of the asset can never be reduced to zero.   |
| 4. <b>Combined effect of depreciation and repairs on P &amp; L A/c.</b> | Combined burden on account of depreciation and repairs will be lighter in earlier years and heavier during the later years. | Combined burden on account of depreciation and repairs will be almost equal over different years. |
| 5. <b>Rate of depreciation.</b>   | Rate of depreciation is kept low in comparison to diminishing balance method.   | Rate of depreciation is kept high in comparison to original cost method.                          |



## DEPRECIATION

|  |  |   |
|--|--|---|
| 6. Approval of Income Tax authorities. | This method is not approved by Income Tax authorities.   | This method is approved by Income Tax authorities.  |
| 7. Suitability                         | It is suitable for assets in which repair charges are less and the possibility of obsolescence is less such as land and buildings, patents, trade marks etc. | It is suitable for assets which require more repair expenses with passage of time and where possibility of obsolescence is more due to technological changes such as plant and machinery, vehicles etc. |

In practice, the Written Down Value Method is more widely used. This is so because the depreciation in this method goes on reducing according to the shrinking value of the asset.

### ILLUSTRATION 9.

Alpine Traders purchased a machine on January 1, 1990 at a cost of ₹8,000 and spent ₹2,000 on its installation. The firm writes off depreciation @ 10% p.a. by written down value method. The scrap value of the Plant at the end of its economic life of 4 years is expected to be ₹6,561.

Show the machine account for 4 years in the books of Alpine Traders. The books are closed on 31 December every year.

### SOLUTION :

### MACHINE ACCOUNT

| 1990   |                        | ₹             | 1990    |   | ₹             |
|--------|------------------------|---------------|---------|---|---------------|
| Jan. 1 | To Bank A/c            | 8,000         | Dec. 31 | By Depreciation A/c<br>(10% on ₹10,000) | 1,000         |
| Jan. 1 | To Bank A/c (Expenses) | 2,000         | Dec. 31 | By Balance c/d                          | 9,000         |
|        |                        | <u>10,000</u> |         |   | <u>10,000</u> |
| 1991   |                        |               | 1991    |   |               |
| Jan. 1 | To Balance b/d         | 9,000         | Dec. 31 | By Depreciation A/c<br>(10% on ₹9,000)  | 900           |
|        |                        | <u>9,000</u>  | Dec. 31 | By Balance c/d                          | 8,100         |
|        |                        |               |         |   | <u>9,000</u>  |
| 1992   |                        |               | 1992    |   |               |
| Jan. 1 | To Balance b/d         | 8,100         | Dec. 31 | By Depreciation A/c<br>(10% on ₹8,100)  | 810           |
|        |                        | <u>8,100</u>  | Dec. 31 | By Balance c/d                          | 7,290         |
|        |                        |               |         |   | <u>8,100</u>  |
| 1993   |                        |               | 1993    |   |               |
| Jan. 1 | To Balance b/d         | 7,290         | Dec. 31 | By Depreciation A/c                     | 729           |
|        |                        | <u>7,290</u>  | Dec. 31 | By Balance c/d                          | 6,561         |
|        |                        |               |         |   | <u>7,290</u>  |
| 1994   |                        |               |         |   |               |
| Jan. 1 | To Balance b/d         | 6,561         |         |   |               |



**ILLUSTRATION 10.**

Rohini Cement Limited purchased on 1st January, 1991 a plant for ₹80,000. On 1st April, 1992, it purchased additional plant costing ₹48,000. On 1st September 1993, the plant purchased on 1st January, 1991 was sold off for ₹42,000 and on the same date fresh plant was purchased at the cost of ₹75,000.

Depreciation is provided at 10% per annum on the Diminishing Balance Method every year. Accounts are closed each year on 31st December.

Show the Plant account for 3 years.

(Chandigarh 2007)

**SOLUTION :****PLANT ACCOUNT**

| 1991    |                | ₹               | 1991    |                      | ₹               |
|---------|----------------|-----------------|---------|----------------------|-----------------|
| Jan. 1  | To Bank A/c    | 80,000          | Dec. 31 | By Depreciation A/c  | 8,000           |
|         |                |                 | Dec. 31 | By Balance c/d       | 72,000          |
|         |                | <u>80,000</u>   |         |                      | <u>80,000</u>   |
| 1992    |                |                 | 1992    |                      |                 |
| Jan. 1  | To Balance b/d | 72,000          | Dec. 31 | By Depreciation A/c  |                 |
| April 1 | To Bank A/c    | 48,000          |         | (i) 7,200            |                 |
|         |                |                 |         | (ii) 3,600           |                 |
|         |                |                 |         | (for 9 months)       | 10,800          |
|         |                |                 | Dec. 31 | By Balance c/d       |                 |
|         |                |                 |         | (i) 64,800           |                 |
|         |                |                 |         | (ii) 44,400          | 1,09,200        |
|         |                | <u>1,20,000</u> |         |                      | <u>1,20,000</u> |
| 1993    |                |                 | 1993    |                      |                 |
| Jan. 1  | To Balance b/d |                 | Sept. 1 | By Bank A/c          | 42,000          |
|         | (i) 64,800     |                 | Sept. 1 | By Depreciation A/c  |                 |
|         | (ii) 44,400    | 1,09,200        |         | (10% on ₹64,800      |                 |
| Sept. 1 | To Bank A/c    | 75,000          |         | for eight months)    | 4,320           |
|         |                |                 | Sept. 1 | By Profit & Loss A/c |                 |
|         |                |                 |         | (Loss on Sale of     |                 |
|         |                |                 |         | Plant : (₹64,800     |                 |
|         |                |                 |         | – 42,000 – 4,320)    | 18,480          |
|         |                |                 | Dec. 31 | By Depreciation A/c  |                 |
|         |                |                 |         | (i) 4,440            |                 |
|         |                |                 |         | (ii) 2,500           | 6,940           |
|         |                |                 |         | (10% on ₹75,000      |                 |
|         |                |                 |         | for four months)     |                 |
|         |                |                 | Dec. 31 | By Balance c/d       |                 |
|         |                |                 |         | (i) 39,960           |                 |
|         |                |                 |         | (ii) 72,500          | 1,12,460        |
|         |                | <u>1,84,200</u> |         |                      | <u>1,84,200</u> |
| 1994    |                |                 |         |                      |                 |
| Jan. 1  | To Balance b/d | 1,12,460        |         |                      |                 |



**ILLUSTRATION 11.**

On 1st April, 2000, Sonu Ltd. purchased a machinery for ₹3,90,000 on which they spent ₹5,000 for carriage, ₹2,000 for brokerage of the middle-man, ₹2,500 for installation and ₹500 for an iron pad. On 1st November, 2001, they purchased another machinery for ₹1,00,000 and immediately spent ₹20,000 on its overhauling. On 30th Sept., 2002, the machinery purchased in 2000 was sold at a loss of ₹1,27,800. The company charges depreciation @ 10% p.a. on written down value basis. Accounts are closed on 31st March every year.

Prepare Machinery Account upto 31st March, 2003.

**SOLUTION :****MACHINERY ACCOUNT**

| 2000    |  | ₹               | 2001           |                                | ₹               |
|---------|--|-----------------|----------------|--------------------------------|-----------------|
| April 1 | To Bank A/c  | 3,90,000        | March 31       | By Depreciation A/c            | 40,000          |
| April 1 | To Bank A/c (Expenses)<br>(₹5,000 + ₹2,000<br>+ ₹2,500 + ₹500) | 10,000          | March 31       | By Balance c/d                 | 3,60,000        |
|         |  | <u>4,00,000</u> |                |                                | <u>4,00,000</u> |
| 2001    |  |                 | 2002           |                                |                 |
| April 1 | To Balance b/d   | 3,60,000        | March 31       | By Depreciation A/c            |                 |
| Nov. 1  | To Bank A/c  | 1,00,000        | (i)            | 36,000                         |                 |
| Nov. 1  | To Bank A/c<br>(Overhauling)                                   | 20,000          | (ii)           | <u>5,000</u>                   | 41,000          |
|         |  |                 | (for 5 months) |                                |                 |
|         |  |                 | March 31       | By Balance c/d                 |                 |
|         |  |                 | (i)            | 3,24,000                       |                 |
|         |  |                 | (ii)           | <u>1,15,000</u>                | 4,39,000        |
|         |  | <u>4,80,000</u> |                |                                | <u>4,80,000</u> |
| 2002    |  |                 | 2002           |                                |                 |
| April 1 | To Balance b/d   |                 | Sept. 30       | By Bank A/c <sup>(1)</sup>     | 1,80,000        |
| (i)     | 3,24,000   |                 | Sept. 30       | By Depreciation A/c (i)        |                 |
| (ii)    | <u>1,15,000</u>  | 4,39,000        | (for 6 months) |                                | 16,200          |
|         |  |                 | Sept. 30       | By Profit & Loss A/c<br>(Loss) | 1,27,800        |
|         |  |                 | 2003           |                                |                 |
|         |  |                 | March 31       | By Depreciation A/c (ii)       | 11,500          |
|         |  |                 | March 31       | By Balance c/d                 | 1,03,500        |
|         |  | <u>4,39,000</u> |                |                                | <u>4,39,000</u> |
| 2003    |  |                 |                |                                |                 |
| April 1 | To Balance b/d   | 1,03,500        |                |                                |                 |

**Note 1.** Calculation of sale price of machinery :

Balance on April 1, 2002

Less : Depreciation for six months

Less : Loss on sale

Sale price

| ₹               |
|-----------------|
| 3,24,000        |
| <u>16,200</u>   |
| 3,07,800        |
| <u>1,27,800</u> |
| <u>1,80,000</u> |



**ILLUSTRATION 12.**

On 1st October, 1991, the Jaipur Transport Company purchased a Truck for ₹4,00,000. On 1st April, 1993, this truck was involved in an accident and was completely destroyed and ₹3,00,000 were received from the Insurance Company in full settlement. On the same date another truck was purchased by the Co. for ₹5,00,000. The Company writes off 20% depreciation p.a. on Written Down Value Method. Give the Truck Account from 1991 to 1993. (Chandigarh, 2008)

**SOLUTION :****TRUCK ACCOUNT**

| 1991    |   | ₹               | 1991    |   | ₹               |
|---------|---|-----------------|---------|---|-----------------|
| Oct. 1  | To Bank A/c   | 4,00,000        | Dec. 31 | By Depreciation A/c<br>(20% on ₹4,00,000<br>for 3 months) | 20,000          |
|         |   |                 | Dec. 31 | By Balance c/d  | 3,80,000        |
|         |   | <u>4,00,000</u> |         |   | <u>4,00,000</u> |
| 1992    |   |                 | 1992    |   |                 |
| Jan. 1  | To Balance b/d  | 3,80,000        | Dec. 31 | By Depreciation A/c                                       | 76,000          |
|         |   |                 | Dec. 31 | By Balance c/d  | 3,04,000        |
|         |   | <u>3,80,000</u> |         |   | <u>3,80,000</u> |
| 1993    |   |                 | 1993    |   |                 |
| Jan. 1  | To Balance b/d  | 3,04,000        | April 1 | By Bank A/c   | 3,00,000        |
| April 1 | To Profit & Loss A/c<br>(Profit on Truck<br>₹3,00,000 + 15,200<br>– 3,04,000) | 11,200          | April 1 | By Depreciation A/c<br>(20% on ₹3,04,000<br>for 3 months) | 15,200          |
| April 1 | To Bank A/c   | 5,00,000        | Dec. 31 | By Depreciation A/c<br>(20% on ₹5,00,000<br>for 9 months) | 75,000          |
|         |   |                 | Dec. 31 | By Balance c/d  | 4,25,000        |
|         |   | <u>8,15,200</u> |         |   | <u>8,15,200</u> |
| 1994    |   |                 |         |   |                 |
| Jan. 1  | To Balance b/d  | 4,25,000        |         |   |                 |

**ILLUSTRATION 13.**

A company had bought Machinery for ₹1,00,000 including therein a boiler worth ₹10,000. Depreciation was charged on Reducing Balance Method at the rate of 10% p.a. for first five years and Machinery Account was credited accordingly. During the fifth current year, the boiler became useless on account of damages to some of its vital parts. The damaged boiler is sold for ₹2,000. Prepare the Machinery Account for five years.

**SOLUTION :****MACHINERY ACCOUNT**

| Year |                      | ₹      | Year |                     | ₹            |
|------|----------------------|--------|------|---------------------|--------------|
| 1st  | To Bank A/c          | 90,000 | 1st  | By Depreciation A/c |              |
|      | To Bank A/c (Boiler) | 10,000 |      | (i)                 | 9,000        |
|      |                      |        |      | (ii)                | <u>1,000</u> |
|      |                      |        |      |                     | 10,000       |



|     |                |                 |     |                      |                 |
|-----|----------------|-----------------|-----|----------------------|-----------------|
|     |                |                 |     | By Balance c/d       |                 |
|     |                |                 |     | (i) 81,000           |                 |
|     |                |                 |     | (ii) 9,000           | 90,000          |
|     |                | <u>1,00,000</u> |     |                      | <u>1,00,000</u> |
| 2nd | To Balance b/d |                 | 2nd | By Depreciation A/c  |                 |
|     | (i) 81,000     |                 |     | (i) 8,100            |                 |
|     | (ii) 9,000     | 90,000          |     | (ii) 900             | 9,000           |
|     |                |                 |     | By Balance c/d       |                 |
|     |                |                 |     | (i) 72,900           |                 |
|     |                |                 |     | (ii) 8,100           | 81,000          |
|     |                | <u>90,000</u>   |     |                      | <u>90,000</u>   |
| 3rd | To Balance b/d |                 | 3rd | By Depreciation A/c  |                 |
|     | (i) 72,900     |                 |     | (i) 7,290            |                 |
|     | (ii) 8,100     | 81,000          |     | (ii) 810             | 8,100           |
|     |                |                 |     | By Balance c/d       |                 |
|     |                |                 |     | (i) 65,610           |                 |
|     |                |                 |     | (ii) 7,290           | 72,900          |
|     |                | <u>81,000</u>   |     |                      | <u>81,000</u>   |
| 4th | To Balance b/d |                 | 4th | By Depreciation A/c  |                 |
|     | (i) 65,610     |                 |     | (i) 6,561            |                 |
|     | (ii) 7,290     | 72,900          |     | (ii) 729             | 7,290           |
|     |                |                 |     | By Balance c/d       |                 |
|     |                |                 |     | (i) 59,049           |                 |
|     |                |                 |     | (ii) 6,561           | 65,610          |
|     |                | <u>72,900</u>   |     |                      | <u>72,900</u>   |
| 5th | To Balance b/d |                 | 5th | By Bank A/c          | 2,000           |
|     | (i) 59,049     |                 |     | By Profit & Loss A/c |                 |
|     | (ii) 6,561     | 65,610          |     | (₹6,561 - 2,000)     | 4,561           |
|     |                |                 |     | By Depreciation A/c  |                 |
|     |                |                 |     | (10% on ₹59,049)     | 5,905           |
|     |                |                 |     | By Balance c/d       | 53,144          |
|     |                | <u>65,610</u>   |     |                      | <u>65,610</u>   |

Note :- It has been assumed that the boiler is sold at the commencement of fifth year.

#### ILLUSTRATION 14.

Laxmi Limited purchased machinery for ₹40,000 on 1st July, 1990. Depreciation is provided @ 10% p.a. on the Diminishing Balance Method. On 1st October, 1992, one-fourth of Machinery was found unsuitable and disposed off for ₹6,000. On the same date a new machinery at a cost of ₹15,000 was purchased. Write up the Machinery A/c from 1990 to 1993. The accounts are closed on 31st December each year.

#### SOLUTION :

#### MACHINERY ACCOUNT

|        |             | ₹      |         |                     | ₹     |
|--------|-------------|--------|---------|---------------------|-------|
| 1990   |             |        | 1990    |                     |       |
| July 1 | To Bank A/c | 40,000 | Dec. 31 | By Depreciation A/c | 2,000 |



|        |                |               |         |                        |               |
|--------|----------------|---------------|---------|------------------------|---------------|
|        |                |               | Dec. 31 | By Balance c/d         | 38,000        |
|        |                | <u>40,000</u> |         |                        | <u>40,000</u> |
| 1991   |                |               | 1991    |                        |               |
| Jan. 1 | To Balance b/d | 38,000        | Dec. 31 | By Depreciation A/c    | 3,800         |
|        |                |               | Dec. 31 | By Balance c/d         | 34,200        |
|        |                | <u>38,000</u> |         |                        | <u>38,000</u> |
| 1992   |                |               | 1992    |                        |               |
| Jan. 1 | To Balance b/d | 34,200        | Oct. 1  | By Bank A/c            | 6,000         |
| Oct. 1 | To Bank A/c    | 15,000        | Oct. 1  | By Depreciation A/c    |               |
|        |                |               |         | (1/4 of 34,200 = 8,550 |               |
|        |                |               |         | 10% on 8,550 for       |               |
|        |                |               |         | 9 months = 641)        | 641           |
|        |                |               | Oct. 1  | By P & L A/c           |               |
|        |                |               |         | (₹8,550 - 6,000        |               |
|        |                |               |         | - 641)                 | 1,909         |
|        |                |               | Dec. 31 | By Depreciation A/c    |               |
|        |                |               |         | (i) 3/4 of 34,200 =    |               |
|        |                |               |         | 25,650                 |               |
|        |                |               |         | 10% on 25,650 =        |               |
|        |                |               |         | 2,565                  |               |
|        |                |               |         | (ii) On 15,000 for     |               |
|        |                |               |         | 3 months               | 375           |
|        |                |               | Dec. 31 | By Balance c/d         | 2,940         |
|        |                | <u>49,200</u> |         |                        | <u>37,710</u> |
|        |                |               |         |                        | <u>49,200</u> |
| 1993   |                |               | 1993    |                        |               |
| Jan. 1 | To Balance b/d | 37,710        | Dec. 31 | By Depreciation A/c    | 3,771         |
|        |                |               | Dec. 31 | By Balance c/d         | 33,939        |
|        |                | <u>37,710</u> |         |                        | <u>37,710</u> |
| 1994   |                |               |         |                        |               |
| Jan. 1 | To Balance b/d | 33,939        |         |                        |               |

### ILLUSTRATION 15.

On 1st January 2005, Z Ltd. purchased machinery for ₹1,20,000 and on 30th June 2006, it acquired additional machinery for ₹20,000. On 31.03.2007 one of the original machine (purchased on 1.1.2005) which had cost ₹5,000 was found to have become obsolete and was sold as scrap for ₹500. On the same date a new machine was purchased for ₹8,000. Depreciation is to be charged @15% p.a. on written down value. Accounts are closed on 31st December each year. Show machinery account for the first three years.

(Chandigarh 2011)

### SOLUTION :

### MACHINERY ACCOUNT

|        |             |                 |         |                     |                 |
|--------|-------------|-----------------|---------|---------------------|-----------------|
| 2005   |             | ₹               | 2005    |                     | ₹               |
| Jan. 1 | To Bank A/c | 1,20,000        | Dec. 31 | By Depreciation A/c | 18,000          |
|        |             |                 | Dec. 31 | By Balance c/d      | 1,02,000        |
|        |             | <u>1,20,000</u> |         |                     | <u>1,20,000</u> |



## DEPRECIATION

|         |                |                 |         |                                     |                 |
|---------|----------------|-----------------|---------|-------------------------------------|-----------------|
| 2006    |                |                 | 2006    |                                     |                 |
| Jan. 1  | To Balance b/d | 1,02,000        | Dec. 31 | By Depreciation A/c                 |                 |
| June 1  | To Bank A/c    | 20,000          |         | (₹15,300 + ₹1,500)                  | 16,800          |
|         |                |                 | Dec. 31 | By Balance c/d                      | 1,05,200        |
|         |                | <u>1,22,000</u> |         |                                     | <u>1,22,000</u> |
| 2007    |                |                 | 2007    |                                     |                 |
| Jan. 1  | To Balance b/d | 1,05,200        | Mar. 31 | By Bank A/c                         | 500             |
| Mar. 31 | To Bank A/c    | 8,000           | Mar. 31 | By Depreciation A/c <sup>(1)</sup>  | 135             |
|         |                |                 | Mar. 31 | By Profit & Loss A/c <sup>(1)</sup> | 2,977           |
|         |                |                 | Dec. 31 | By Depreciation A/c <sup>(2)</sup>  | 16,138          |
|         |                |                 | Dec. 31 | By Balance c/d                      | 93,450          |
|         |                | <u>1,13,200</u> |         |                                     | <u>1,13,200</u> |

## Working Notes :

## (1) Calculation of Loss on sale of Machinery :

Cost of Machinery sold on 1st January, 2005

₹

5,000

Less : Depreciation for 2005 ( $₹5,000 \times \frac{15}{100}$ )

750

4,250Less : Depreciation for 2006 ( $₹4,250 \times \frac{15}{100}$ )

638

3,612

Book value of Machinery on 1st January, 2007

Less : Depreciation upto 31st March, 2007 ( $₹3,612 \times \frac{15}{100} \times \frac{3}{12}$ )

135

3,477

Less : Sale Proceeds

500

2,977

## (2) Calculation of Depreciation after sale of Machinery :

Book Value of Machinery on 1st January, 2007

1,05,200

Less : Book Value of Machinery sold on 1st January, 2007 (as per Note 1)

3,612

Remaining Machinery

1,01,588Depreciation on remaining Machinery ( $₹1,01,588 \times \frac{15}{100}$ )

15,238

Add : Depreciation on Machinery purchased on March 31

 $(₹8,000 \times \frac{15}{100} \times \frac{9}{12})$ 

900

16,138