



PIPSO

Pacific Islands Private Sector Organisation

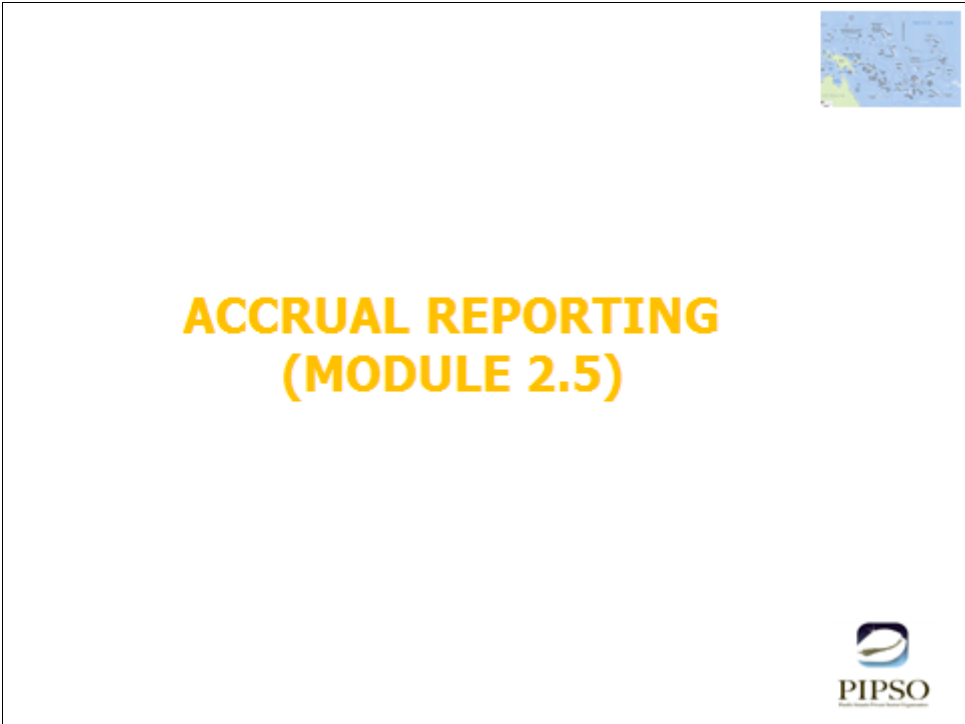
ACCRUAL
REPORTING

January 1

2014

This Module introduces accrual accounting & non-current asset recording, including the calculation & recording of depreciation. The Module concludes with the recording of the disposal of non-current assets. Throughout, the differences between cash & accrual accounting are highlighted. Examples & exercises are provided to assist learning.

MODULE
2.5



Contents

PURPOSE..... 3

ACCOUNTING PRINCIPLES 4

ACCRUAL ACCOUNTING 6

NON-CURRENT ASSETS & DEPRECIATION 15

ACCOUNTING FOR DEPRECIATION 17

DISPOSAL OF NON-CURRENT ASSETS..... 20

ASSET REGISTER & DEPRECIATION 23

ANSWERS TO ACTIVITIES 28

PURPOSE

This Module completes the introduction to more complex accrual accounting principles that began in Level 2 Module 1, Accounting Concepts.

Participants are introduced to the accrual accounting methods that match revenues & expenses, instead of the cash inflow & outflows, during a period.

Accrual accounting methods are illustrated using practical examples comparing the two systems to show the impact of using an accrual accounting system instead of a cash accounting system. It is important for participants to understand the examples of period-end accrual calculations & recording.

The use of an accrual accounting system is recommended as businesses expand because the information provided is more accurate for management reporting & evaluation purposes.

The accounting treatment of acquisition of non-current assets, depreciation & disposal of these assets is also introduced. The contents of an asset register are explored as a part of the end-of-Module activities. Depreciation is a major reason for differences in reporting cash & accrual accounting.

It is intended that the material covered in this Module will remove some of the mystique surrounding the end-of-period work done by accountants for clients in preparing their financial reports.


On completion of this Module participants should appreciate the difference between cash & accrual accounting practices & the benefits of the accrual system in terms of accurate information. Participants should also have a better appreciation of the work done by their accountant.

ACCOUNTING PRINCIPLES

ACCOUNTING PRINCIPLES

Remember the 5 basic accounting principles.
The principle of:

- ✓ Recording – all business transactions
- ✓ Double entry – cash or accrual accounting
- ✓ Profit determination – periodic matching process
- ✓ Reporting – owners & other interests
- ✓ Control – actual & budgeted performance



The above principles were introduced in Level 2, Module 1, Accounting Concepts on day one of this programme.

- The simplest way to record all business transactions is using a business bank account
- The business cash book for receipts & payments reconciled from time to time with the bank statement complies with the double entry principle
- For a micro/small business match cash inflow & outflow or as you grow record profit periodically using revenues & expenses recorded on an accrual basis
- Report financial information to owner & other interested parties as required & management as frequently as practical
- Manage assets, liabilities & financial information in a controlled environment & budget ahead to compare with actual performance & take action as required

The following slide introduces the financial reporting period, 12 months, normally used for reporting to the authorities & financiers, which we all take for granted, together with the balance sheet as at the close of business on the last day of the reporting period. Put simply, we record transactions over a fixed period to determine the health of the business at the end of that period.

ACCOUNTING PRINCIPLES



It's time to introduce extra accounting principles.

The principle of:

- ✓ Reporting period – normally 12 months e.g. Jan to Dec
- ✓ Balance date – date of preparation of Balance Sheet

AND

The accrual concept - the recognition of revenues
when earned & expenses when incurred



Why report using the accrual principle?

- Because the information generated from the financial accounting reports is a more accurate representation of business performance, revenues less expenses, during a period & the value of a business at the last day of the period.
- The information is used in a variety of ways for planning & management purposes as demonstrated later Modules in this Toolkit:
 - Financial Statements (Module 2.6)
 - Business Costs & Pricing (Module 3.2)
 - Funding, Debt & Equity (Module 3.5)
 - A Bank's View of Finance (Module 3.6)
 - Valuing a Business (Module 3.7)

This does not mean that reporting & understanding cash flows is any less important. Cash flows are also used concurrently for valuation & reporting purposes.

ACCRUAL ACCOUNTING

ACCRUAL ACCOUNTING



What does "The recognition of revenues when earned & expenses when incurred" mean?

Put simply, it means:

"The matching of revenues earned & expenses incurred during a reporting period".

It does **not** mean receipt & payment of cash during a period.



Whenever business transactions cover a period that extends beyond one accounting/budget reporting period, e.g. the purchase of assets with lives of many years, there is the potential for materially different reporting outcomes using cash & accrual reports.

Even in the short term, payments for periods from 3 to 12 months will distort monthly cash reports, i.e. payments in arrears or advance. While this does not reduce the importance of cash flow reports, it does suggest that there may be another (better) way to report transactions than using only cash flows.

For larger businesses, the accrual method that recognises & matches the period when revenues are **earned** & expenses **incurred** is preferred & may be even be required.

The differences between cash & accrual reporting are indicated in the table below.

| Cash basis | Accrual basis |
|---|--|
| Records receipts as though the same as revenue | revenues are recorded as earned, which may be before or after receipt |
| Records payments as though the same as expenses | Expenses are recorded as they are incurred, which may be before or after they are paid |
| Financial statements match receipts & payments | Financial statements match revenues & expenses, not cash in & out |

| | |
|--|--|
| Receivables are not recorded, requires an external system | Receivables are recorded at time of sale, not receipt of cash |
| Payables are not recorded, requires an external system | Payables are recorded at time of purchase, not payment of cash |
| Does not track credit transactions, requires an external system | All credit transactions are recorded at the time of the transaction, not cash flow |
| Depreciation is not recorded, requires an external system | Records depreciation periodically |
| No method for tracking partial payments, requires an external system | Sales & purchases recorded at time of transaction. Receipts & payments recorded in cash book & balance sheet |

Examples are a good way to highlight the differences between cash & accrual reporting. To this end a series of examples follows.

EXAMPLE 1 - Insurance

Insurance is a typical business transaction that occurs generally billed & paid on an annual basis, but not on the annual balance date. At balance date there will either be an amount paid for the following year as insurance is an amount prepaid for a period, usually 12 months.

ACCRUAL EXAMPLE 1

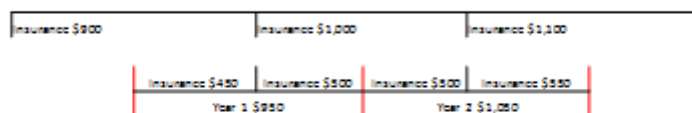


1. Insurance is paid annually in advance midway through the 12 month accounting period.
2. Insurance paid has risen from \$900 to \$1,100 over past 2 years as followings.



ACCRUAL EXAMPLE 1

INSURANCE paid annually in advance



Cash accounting

Profit & Loss Statement

| | | |
|-----------------------|---------|---------|
| Insurance paid Year 1 | Expense | \$1,000 |
| Insurance paid Year 2 | Expense | \$1,100 |

Balance Sheet

| | |
|-----|---------------------------------------|
| Nil | As at end of year 0 (start of year 1) |
| Nil | As at end of year 1 |
| Nil | As at end of year 2 |

Accrual accounting

Profit & Loss Statement

| | | |
|---------------------------|---------|-------------------------|
| Insurance incurred Year 1 | Expense | \$950 (\$450 + \$500) |
| Insurance incurred Year 2 | Expense | \$1,050 (\$500 + \$550) |

Balance Sheet

| | |
|-------------|---|
| \$450 Asset | Prepaid as at end of year 0 (start of year 1) |
| \$500 Asset | Prepaid as at end of year 1 |
| \$550 Asset | Prepaid as at end of year 2 |



Reporting for years 1 & 2 using a cash accounting system would be as follows:

| Report | A/C type | Year 1 | Year 2 |
|------------------|----------|---------|---------|
| Income statement | Expense | \$1,000 | \$1,100 |
| Balance sheet | Asset | Nil | Nil |

Reporting for years 1 & 2 using an accrual accounting system would be as follows:

| Report | A/C type | Year 1 | Year 2 |
|------------------|----------|--------|---------|
| Income statement | Expense | \$950 | \$1,050 |
| Balance sheet | Asset | \$500 | \$550 |

If reports were prepared on a monthly basis the income statement would bring to account an expense equal to 1/12 of the annual cost while the asset appearing in the balance sheet asset would reduce by the amount brought to account each month.

EXAMPLE 2 – Salaries & wages

Salaries are usually paid on a fortnightly or monthly basis using a seven working day week. Wages are normally paid on a weekly basis based on a five, five & a half or six day working week. In either event the payment & end-of-period are not normally the same date. There can be a significant difference in the timing which means that the cash payments do not reflect the earnings during a reporting period.

The following simplified example highlights this difference.

ACCRUAL EXAMPLE 2



1. \$7,000 wages are paid weekly (on a 7 day week basis) in arrears on Friday each week.
2. Wages for the month of August are for 31 days.
3. July ended on a Monday.
4. August ends on a Thursday.



ACCRUAL EXAMPLE 2



Wages paid weekly in arrears for month of August

| | | |
|--------|--|--|
| Jul 28 | | |
| 29 | | |
| 30 | | |
| 31 | | |
| Aug 1 | | |
| 2 | | |
| 3 | | |
| 4 | | |
| 5 | | |
| 6 | | |
| 7 | | |
| 8 | | |
| 9 | | |
| 10 | | |
| 11 | | |
| 12 | | |
| 13 | | |
| 14 | | |
| 15 | | |
| 16 | | |
| 17 | | |
| 18 | | |
| 19 | | |
| 20 | | |
| 21 | | |
| 22 | | |
| 23 | | |
| 24 | | |
| 25 | | |
| 26 | | |
| 27 | | |
| 28 | | |
| 29 | | |
| 30 | | |
| 31 | | |
| Sep 1 | | |

| | | | |
|------------------------------------|----|----------|-------------------------------------|
| Cash accounting | | | |
| Profit & Loss Statement | | | |
| Wages paid August | \$ | \$28,000 | Expense |
| Balance Sheet | | | |
| Nil | | | As at end of July (start of August) |
| Nil | | | As at end of August |

| | | | |
|------------------------------------|-----------|----------|---|
| Accrual accounting | | | |
| Profit & Loss Statement | | | |
| Wages incurred in August | \$ | \$31,000 | Expense |
| | | | (\$28,000 + \$6,000 - \$3,000) |
| Balance Sheet | | | |
| \$3,000 | Liability | | Accrued as at end of July (start of August) |
| \$6,000 | Liability | | Accrued as at end of August |



Reporting for August using a cash accounting system would be as follows:

| Report | A/C type | August |
|------------------|-----------|----------|
| Income statement | Expense | \$28,000 |
| Balance sheet | Liability | Nil |

Reporting for August using an accrual accounting system would be as follows:

| Report | A/C type | August |
|------------------|-----------|----------|
| Income statement | Expense | \$31,000 |
| Balance sheet | Liability | \$6,000 |

Reports prepared on a monthly will vary every month based on the difference, measured in days, between the monthly reporting date & the payroll pay-day, e.g. the liability as at the end of July was \$3,000 being 3 days.

A further complication may occur if the pay-day is not for the period (week, fortnight or other) ending on that day. Sometimes they are paid a day in advance or arrears of the date they are paid to, e.g. paid on Friday for work completed up to & including the preceding Thursday.

EXAMPLE 3–Weed eradication revenue

Sometimes customers choose to pay for services in advance. This is good for cash flow, but clearly the revenue from this cash flow is not earned until the work is done. The revenue must be recognised progressively as work is completed & therefore, at a balance date the contact (cash payment) amount will be partially earned & partially unearned revenue in the books of record as follows.

ACCRUAL EXAMPLE 3



1. On 1 May a customer pays \$12,000 for weed eradication to occur over the next 6 months.
2. Reporting period is from 1 July to 30 June.





| Report | A/C type | Year 1 | Year 2 |
|------------------|-----------|----------|--------|
| Income statement | Revenue | \$12,000 | Nil |
| Balance sheet | Liability | Nil | Nil |

| Report | A/C type | Year 1 | Year 2 |
|------------------|-----------|---------|---------|
| Income statement | Revenue | \$4,000 | \$8,000 |
| Balance sheet | Liability | \$8,000 | Nil |

Now let's do some revision based on short, multiple choice questions.

ACCRUAL ACCOUNTING



Time for some exercises.

Participants are to complete the multiple choice questions (Activity 2.5.1).

Discuss answers with the whole group.



Activity 2.5.1

Multiple Choice Questions

Highlight the correct answers. Unless specified, questions do not include VAT/GST.

1. Which two of the following items are current assets?
 - (a) Accrued revenue & accrued expense
 - (b) Accrued revenue & revenue in advance
 - (c) Accrued revenue & prepaid expenses
 - (d) Prepaid expenses & accrued expenses
2. The accounts show that \$500 value of insurance is paid in advance & related to the next financial year. This is:
 - (a) Accrued expense
 - (b) Prepaid expense
 - (c) Accrued revenue
 - (d) Revenue in advance
3. A real estate sale, on commission, was made in June to be settled in July. The commission revenue account for the year ended 30 June is:
 - (a) Increased
 - (b) Decreased
 - (c) Unchanged
 - (d) Not affected until July
4. Insurance expense includes an amount of \$400 paid relating to next financial year. The same account does not include an amount owing in the current year of \$600. How should insurance expense be adjusted?
 - (a) Make one entry for \$200
 - (b) Add \$200 to the insurance expense account
 - (c) Prepare balance day adjustments for both accrued & prepaid expense
 - (d) Prepare balance day adjustments for both accrued revenue & prepaid expense
5. Salaries are paid to close of business Wednesday 27 June totalling \$135,000. The gross pay for the five day week (Monday to Friday) is \$2,800 & the next pay day is Wednesday 4 July. How much accrued salaries should be added to the salaries account for the year ended 30 June?
 - (a) \$560
 - (b) \$1,120
 - (c) \$1,680
 - (d) \$2,240
6. Interest is due on a loan from Our Bank at 30 June & has not been paid. At 30 June this amount represents:
 - (a) Accrued expense
 - (b) Prepaid expense
 - (c) Unearned revenue
 - (d) Prepaid revenue

7. Sales less sales returns are \$230,000. The opening inventories are \$17,000 & the closing inventories are \$24,000. Freight inwards is \$700, freight outwards is \$500 & customs duty is \$900. Purchases less returns are \$118,000. How much is the gross profit?
- (a) \$103,400
 - (b) \$116,900
 - (c) \$117,400
 - (d) None of the above
8. Asset & liability accounts are not closed at the end of an accounting period because:
- (a) They are not a part of profit determination
 - (b) They appear in the balance sheet
 - (c) Their account balances stay open
 - (d) All of the above
9. Which of the following accounts is a current liability?
- (a) Mortgage loan
 - (b) Accrued revenue
 - (c) Prepaid expense
 - (d) Accrued expense
10. After calculating the gross profit it was discovered that a purchase invoice relevant to the financial year was not included in the purchases account. The previously calculated gross profit figure is:
- (a) Understated
 - (b) Overstated
 - (c) Not affected
 - (d) None of the above
11. At the start of the year the equity balance was \$33,000. During the year the owner brought a car valued at \$12,090 into the business & drew out of the business \$4,060 in cash. The net loss for the year was \$6,200. How much is the closing balance of equity?
- (a) \$10,650
 - (b) \$34,830
 - (c) \$42,950
 - (d) \$47,230
12. Accrued revenue is a:
- (a) Current asset
 - (b) Non-current asset
 - (c) Current liability
 - (d) Non-current liability

NON-CURRENT ASSETS & DEPRECIATION

The recording & reporting of non-current assets & depreciation is normally undertaken by a qualified accountant on behalf of a client as the accountant is familiar with accepted accounting & taxation authority requirements & standard account recording practices & approved depreciation rates. Most clients lack the knowledge of where to find this information. In this event it will be recorded annually only & may not figure in monthly reporting.

Under an accrual reporting system it should be included.

The broad principles for reporting non-current assets & depreciation are explored next.

NON-CURRENT ASSETS & DEPRECIATION

Before we look at financial statements in more depth we need to consider the accounting treatment of non-current assets in more depth:

- Non-current assets
 - Purpose
 - Cost
- Depreciation
 - Purpose
 - Methods



An asset must have a life in excess of 12 months (usually several years), be for use in the business (not for resale) & be used for a business purpose if it is to be owned & depreciated as a business asset.

In a small business it is common for assets to be used for business & private purposes. Where there is a dual business & private purpose, the depreciation should reflect the business use only. It is also possible & legitimate (legal) to have a different rate of depreciation for accounting & taxation purposes.

The cost of a business asset should also include delivery & installation costs & the total of these costs are then depreciated over the life of the asset.

NON-CURRENT ASSETS



Non-current assets are:

- Acquired for use in the business
- Not for resale
- Expected to be used for longer than 12 months

Cost of a non-current asset includes:

- Delivery charges
- Installation costs
- Integrated software in computer systems



IMPORTANT: Accumulated depreciation is the recoupment (recovery) of the past cost, not a reserve for the purchase of a future asset.

The life of an asset & any proposed residual value should reflect its useful life to the business once it commences being used. Two methods of depreciation, straight line & reducing value, will now be considered. There are others, but they are less commonly used for specialised purposes & may not be accepted by tax authorities for calculation purposes.

DEPRECIATION



Depreciation is intended to:

- Recover the cost of an asset
- Recognise the limited useful life an asset
- Commence once the asset is available for use

Common methods of calculating depreciation are:

- Straight line
- Reducing balance



ACCOUNTING FOR DEPRECIATION

CALCULATING DEPRECIATION

Using the straight line method depreciation is calculated as the **original cost less any expected residual value** divided by the depreciation rate.

Using the reducing balance method depreciation is calculated as the **written down value at the beginning of the period** divided by the depreciation rate, usually 50% higher than the straight line method.

NOTE: The reducing balance method ignores any residual value expected.



Let's crunch some numbers now.

DEPRECIATION EXAMPLE

Computers costing \$20,000 have a useful life of 4 years. Depreciation is charged on a straight line basis & computers are expected to have no value at end of life.

1. What is the annual depreciation rate & cost?
2. What is the depreciated value after 3 years?
3. What difference, if any, would it make to the answers above if the computers were expected to be worth \$2,000 as scrap after their life was expired?
4. If reducing balance depreciation is charged at 50% higher depreciation rate, what is computer value after 3 years?



DEPRECIATION EXAMPLE



1. Annual depreciation rate & cost? **25%, \$5,000**
2. Depreciated value after 3 years? **\$5,000 (\$20,000-\$15,000)**
3. What difference, if any, would it make to the answers above if the computers were expected to be worth \$2,000 as scrap after their life was expired? **\$6,500 (\$18,000x1/4+\$2,000)**
4. If reducing balance depreciation is charged at 50% higher depreciation rate, what is computers value after 3 years? **\$4,883 (\$20,000x0.625x0.625x0.625)**



Calculations are as follows:

$$\begin{aligned}\text{Annual depreciation rate} &= \$20,000 / 4 \\ &= \$5,000\end{aligned}$$

$$\begin{aligned}\text{Accumulated depreciation} &= \$5,000 \times 3 \\ \text{(After 3 years)} &= \$15,000 \\ \text{Depreciated (book) value} &= \$5,000\end{aligned}$$

$$\begin{aligned}\text{Revised depreciation rate} &= (\$20,000 - \$2,000) / 4 \\ &= \$4,500\end{aligned}$$

$$\begin{aligned}\text{Accumulated depreciation} &= \$4,500 \times 3 \\ \text{(After 3 years)} &= \$13,500 \\ \text{Depreciated (book) value} &= \$6,500\end{aligned}$$

$$\begin{aligned}\text{Cost} &= \$20,000 \\ \text{Depreciated value (Year 1)} &= \$20,000 \times (1 - 0.375) \\ &= \$20,000 \times 0.625 \\ \text{Depreciated value (Year 3)} &= \$20,000 \times 0.625 \times 0.625 \times 0.625 \\ &= \$4,883\end{aligned}$$

NOTE: there is little difference in the calculation of accumulated depreciation under either method at the end of year 3.

Accounting entries

1. The accounting journal entry to record depreciation for a period is a DEBIT to the expense account (Depreciation) & a CREDIT to the assets account (Accumulated Depreciation).

2. The depreciation expense (the debit entry) is written off periodically through the Income statement, while the accumulated depreciation (the credit entry) is a negative asset account & is deducted from the value of the relevant asset leaving a net asset balance called “depreciated” or “book” value. Over time this value decreases.

| ACCOUNTING FOR DEPRECIATION | | | | | |
|--|---|-------|-------|------------------|--|
| Date | Details | Dr | Cr | | |
| 30-Jun | Depreciation - motor vehicles | 5,000 | | Expense | |
| | Accumulated depreciation - motor vehicles | | 5,000 | Asset (negative) | |
| NOTE: | | | | | |
| Depreciation expense is written off against revenues each year in income statement. | | | | | |
| Accumulated depreciation is added to previous balance & deducted from the value of the asset in balance sheet. | | | | | |

IMPORTANT: as stated above, “accumulated depreciation” is actually a negative assets account to be deducted from the asset it relates to & may also be referred to as “provision for depreciation”.

DISPOSAL OF NON-CURRENT ASSETS

DISPOSAL OF A NON-CURRENT ASSET

When a non-current asset is sold or written off the following steps must be followed:

- Depreciate asset to date of sale
- Transfer to a disposal of asset account:
 - Accumulated depreciation of asset
 - Cost of asset
 - Proceeds of sale, if any
- Transfer balance to profit (or loss) on sale of asset account



When a business disposes of, or writes off, an asset, it does so using a special “contra” account, “disposal of asset”. This account exists only to capture the current asset value in the books of account, to receive the proceeds of the sale, if any, & record the profit or loss on the disposal.

The account of the asset disposed of is closed & transferred to the disposal account. All accumulated depreciation of the asset sold is transferred to the disposal account, closing the accumulated depreciation account. The proceeds of sale, if any, are recorded in the disposal account & the profit or loss on disposal is transferred to the income statement. The “disposal of asset” account then closes, i.e. must finish with a “nil” balance once all transactions have been processed through it.

Let’s look at an example.

DISPOSAL OF A NON-CURRENT ASSET



Example of a disposal

- A vehicle was purchased on 30 June 2008 for \$60,000. Its useful life was assessed as 10 year & has been depreciated on a straight line basis.
- On 31 August 2013 the vehicle was sold for \$25,000.
- The accounting transactions to record the sale are as follows.



DISPOSAL OF A NON-CURRENT ASSET



| Date | Details | Dr | Cr | |
|--------|---|--------|--------|------------------|
| 31-Aug | Depreciation | 1,000 | | Expense |
| | Accumulated Depreciation - motor vehicles | | 1,000 | Asset (negative) |
| 31-Aug | Disposal of motor vehicles | 60,000 | | Clearing |
| | Motor vehicles | | 60,000 | Asset |
| 31-Aug | Accumulated depreciation - motor vehicles | 31,000 | | Asset |
| | disposal of motor vehicles | | 31,000 | Clearing |
| 31-Aug | Cash at bank | 25,000 | | Asset |
| | Disposal of motor vehicles | | 25,000 | Clearing |

Questions

1. What is the profit/loss on the sale?
2. What is the last entry to record the disposal?



Entry 1 above records the motor vehicle depreciation for the 2 months to end August \$1,000 or \$500 per month

Entry 2 transfers the cost of the asset from the asset account (motor vehicles) to the disposal of motor vehicles account, \$60,000

Entry 3 transfers the accumulated depreciation - motor vehicles (including the \$1,000 from entry 1) to the disposal of motor vehicles account

Entry 4 records the receipt of the funds from the sale of the motor vehicle, \$25,000.

Entry 5 (answer to Question 2 - which follows) records the loss on the sale of the motor vehicle

A final entry would transfer the loss on sale of motor vehicle to the income statement at the end of the reporting period.

DISPOSAL OF A NON-CURRENT ASSET



Loss is calculated as:

| | |
|-------------------------|-----------------|
| Cost of MV | \$60,000 |
| Less Accum depreciation | <u>\$31,000</u> |
| | \$29,000 |
| Cash proceeds | <u>\$25,000</u> |
| Loss on sale of MV | \$ 4,000 |

Transaction entry required is:

| | | | | |
|--------|--------------------------------|-------|-------|----------|
| 31-Aug | Loss on sale of motor vehicles | 4,000 | | Expense |
| | Disposal of motor vehicles | | 4,000 | Clearing |



ASSET REGISTER & DEPRECIATION

NON-CURRENT ASSETS & DEPRECIATION

Consider the short questions & the asset register provided (Activity 2.5.2) & provide answers.

Discuss.



ACTIVITY 2.5.2

DEPRECIATION QUESTIONS

SECTION A: TRUE OR FALSE

1. All assets of a business are depreciable.
2. Depreciation should start from the date of purchase regardless of when the asset is installed and commissioned to use.
3. Installation costs and delivery expenses of an asset are added to the cost of the asset.
4. The profit on sale of an asset is revenue to the business.
5. An asset register contains details of cost, depreciation and written down value for each non-current asset individually.
6. Depreciation is the term used to record the reduction in value of a non-current asset in a given financial year.

SECTION B: MULTIPLE CHOICE

Question 1

Depreciation is a/an:

- a) Revenue.
- b) Asset.
- c) Liability.
- d) Expense.

Question 2

Accumulated depreciation is shown in the:

- a) Income statement as an expense.
- b) Balance sheet under current assets.
- c) Balance sheet under non-current asset.
- d) Profit & loss account as an expense.

Question 3

On 1 July 2008 S. Leila purchased a new machine for \$12,000, which she estimated would last her five years, at which time it would be worth \$500. Calculate the depreciation for the year ended 30 June 2009 using the straight line method.

- a) \$2,500
- b) \$2,300
- c) \$2,400
- d) \$500

Question 4

On 1 January 2009 Paulo Leva purchased new equipment for \$28,000. The new equipment is expected to have a useful life of 10 years with a scrap value of \$3,000. Paulo used reducing balancing method @ 15% p.a. to depreciate the equipment.

Calculate the depreciation for the year ended 30 June 2009.

- a) \$4,200
- b) \$2,100
- c) \$3,750
- d) \$9,750

Question 5

The profit on sale of an asset is:

- a) Revenue.
- b) An asset.
- c) A liability.
- d) An expense.

Question 6

Plant costing \$300,000 on August 30, 2003 was to be depreciated at 10% using the straight line method. The residual value after 10 years was estimated at \$10,000. It was scrapped after year 10 as planned and \$12,500 was received for the plant. What was the loss/profit?

- a) \$2,500 loss
- b) \$2,500 profit
- c) \$7,500 profit
- d) Nil

SECTION C: ASSET REGISTER

| Asset Register (extract) | | | | | | | | | | | | | |
|---------------------------------------|------------------|---------|----------------------------|-----------|--------|------------|-----------|--------|------------------------------|------|---------------------|---------------------|----------------------------|
| For financial year ended 30 June 2013 | | | | | | | | | | | | | |
| Unit | | | | Disposals | | | Additions | | | | Depreciation Method | | |
| Description of each unit | Original cost \$ | Item No | Opening written down value | Date | Amount | Adjustment | Date | Amount | Total value for depreciation | Rate | Straight Line | Diminishing Balance | Closing written down value |
| Chain saw | 840 | 31 | 300 | | | | | | 300 | 60 | | 180 | 120 |
| Victa Ride on Mower | 1,800 | 32 | 1152 | | | | | | 1152 | 36 | | 415 | 737 |
| Watering system | 4,700 | 33 | 3507 | | | | | | 3507 | 18 | | 631 | 2876 |
| Electric welder | 1,310 | 34 | 1085 | 1-Feb-13 | 1000 | -28 | | | 1085 | 9 | | 57 | 0 |
| Box trailer | 1,760 | 35 | 1285 | | | | | | 1285 | 27 | | ? | ? |
| Shade houses | 6,700 | 36 | 6097 | | | | | | 6097 | 18 | | 1097 | 5000 |
| Tractor - Kubota | | 37 | | | | | 21-Dec-12 | 31,485 | 31485 | 27 | | 4250 | 27235 |

QUESTIONS ON ASSET REGISTER

Answer the following questions in the space provided with reference to the asset register (extract) above.

1. What method of depreciation is being used?
2. What rate of depreciation is used to write off the watering system?
3. How much depreciation still has to be written off the shade houses?
4. Why is there no opening balance for the Tractor?
5. Complete the two missing figures for the trailer.
6. Fully explain what happened to the electric welder during the year.

This exercise ends this Module.

ANSWERS TO ACTIVITIES

ACTIVITY 2.5.1

Multiple Choice Questions

Highlight the correct answers. Unless specified, questions do not include the impact of GST.

1. Which two of the following items are current assets?
 - (a) Accrued revenue & accrued expense
 - (b) Accrued revenue & revenue in advance
 - (c) Accrued revenue & prepaid expenses**
 - (d) Prepaid expenses & accrued expenses
2. The accounts show that \$500 value of insurance is paid in advance & related to the next financial year. This is:
 - (a) Accrued expense
 - (b) Prepaid expense**
 - (c) Accrued revenue
 - (d) Revenue in advance
3. A real estate sale, on commission, was made in June to be settled in July. The commission revenue account for the year ended 30 June is:
 - (a) Increased**
 - (b) Decreased
 - (c) Unchanged
 - (d) Not affected until July
4. Insurance expense includes an amount of \$400 paid relating to next financial year. The same account does not include an amount owing in the current year of \$600. How should insurance expense be adjusted?
 - (a) Make one entry for \$200
 - (b) Add \$200 to the insurance expense account
 - (c) Prepare balance day adjustments for both accrued & prepaid expense**
 - (d) Prepare balance day adjustments for both accrued revenue & prepaid expense
5. Salaries are paid to close of business Wednesday 27 June totalling \$135,000. The gross pay for the five day week (Monday to Friday) is \$2,800 & the next pay day is Wednesday 4 July. How much accrued salaries should be added to the salaries account for the year ended 30 June?
 - (a) \$560
 - (b) \$1,120**
 - (c) \$1,680
 - (d) \$2,240
6. Interest is due on a loan from Our Bank at 30 June & has not been paid. At 30 June this amount represents:
 - (a) Accrued expense**
 - (b) Prepaid expense
 - (c) Unearned revenue
 - (d) Prepaid revenue

7. Sales less sales returns are \$230,000. The opening inventories are \$17,000 & the closing inventories are \$24,000. Freight inwards is \$700, freight outwards is \$500 & customs duty is \$900. Purchases less returns are \$118,000. How much is the gross profit?
- (a) \$103,400
 - (b) \$116,900
 - (c) \$117,400**
 - (d) None of the above
8. Asset & liability accounts are not closed at the end of an accounting period because:
- (a) They are not a part of profit determination
 - (b) They appear in the balance sheet
 - (c) Their account balances stay open
 - (d) All of the above**
9. Which of the following accounts is a current liability?
- (a) Mortgage loan
 - (b) Accrued revenue
 - (c) Prepaid expense
 - (d) Accrued expense**
10. After calculating the gross profit it was discovered that a purchase invoice relevant to the financial year was not included in the purchases account. The previously calculated gross profit figure is:
- (a) Understated
 - (b) Overstated**
 - (c) Not affected
 - (d) None of the above
11. At the start of the year the equity balance was \$33,000. During the year the owner brought a car valued at \$12,090 into the business & drew out of the business \$4,060 in cash. The net loss for the year was \$6,200. How much is the closing balance of equity?
- (a) \$10,650
 - (b) \$34,830**
 - (c) \$42,950
 - (d) 47,230
12. Accrued revenue is a:
- (a) Current asset**
 - (b) Non-current asset
 - (c) Current liability
 - (d) Non-current liability

ACTIVITY 2.5.2

DEPRECIATION – SHORT QUESTIONS ANSWERS

Section A: True or False

7. All assets of a business are depreciable. F
8. Depreciation should start from the date of purchase regardless of when the asset is installed and commissioned to use. F
9. Installation costs & delivery expenses of an asset are added to the cost of the asset. T
10. The profit on sale of an asset is revenue to the business. T
11. An asset register contains details of cost, depreciation and written down value for each non-current asset individually. T
12. Depreciation is the term used to record the reduction in value of a non-current asset in a given financial year. T

Section B: Multiple Choice

- | | |
|------|------|
| 1. d | 2. c |
| 3. b | 4. b |
| 5. a | 6. b |

Section C: Questions on Asset Register

- (a) What method of depreciation is being used?

Reducing balance

- (b) What rate of depreciation is used to write off the watering system?

18% per annum

- (c) How much depreciation still has to be written off the shade houses?

\$5,000

- (d) Why is there no opening balance for the Tractor?

Purchase during the financial year (21 December 2012)

- (e) Complete the two missing figures for the trailer.

\$347, \$938

- (f) Fully explain what happened to the electric welder during the year.

Depreciation for 7 months to 1 February was \$57

Electric welder sold on 1 February 2013

Price (ex GST) was \$1,000

Depreciated value was then \$1,028 (\$1,085 less \$57)

Loss on sale was therefore \$28