ACCOUNTING



CHAPTER

Summary

Inventory systems

Perpetual	Periodic
Inventory is updated each time a purchase or sale is made	Inventory is updated when a physical stock-take is done.
Records transactions in the TRADING INVENTORY account for the purchasing and selling of trading inventory	Records transactions in the PURCHASES account for the purchasing of trading inventory. Cost of sales is only calculated at the end of a financial year
Gross profit Sales - cost of sales = gross profit	Gross profit Sales - cost of sales* = gross profit * (opening inventory + purchases + carriage on purchases + export duties) – closing stock

Valuation systems

Specific identification: This method determines specific costs for each unit in stock. This method is suitable when the inventory is not homogenous, less in quantity and high in value.

	Weighted-average	je
Here the average cost is applied i.e after every purchase an average cost is computed from the cost of purchases and the cost of inventory.		
This method tries to even out the effects of price fluctuations.		
Units	Unit price R	Total R
50	100	5 000
150		29 500
50	150	7 500
60	200	12 000
40	250	10 000
150	300	45 000
Number of units on hand: 50 + 50 + 60 + 40 - 150 = 50		
Value of trading inventory on hand		
Cost of goods available for sale		
Total units available for sale		
_ R5 000 +	R7 500 + R12 000 + R	10 000
-	50 + 50 + 60 + 40	
$= \frac{R34\ 500}{200}$	= R172.50	
50 × R17	2.50 = R8 625	
	Weighted-average	je
Cost of sale 150 x R172, R25 875	es 50	
Gross profit using the perpetual inventory system Sales - Cost of sales = Gross profit R45 000 - R25 875 = R19 125		
	Here the average purchase an of purchase an of purchases and of purchases. This method fluctuations. This method fluctuations. The second sec	Weighted-averageHere the average cost is applied i.epurchase an average cost is computeof purchases and the cost of inventThis method tries to even out the effluctuations.UnitsUnit price8501001501006020040250150300Number of units on hand: 50 + 50 + 60 + 40 - 150 = 50Value of trading inventory on han E $=$ $\frac{Cost of goods available for saleTotal units available for sale50 + 50 + 60 + 40 = 1200 + R^2=\frac{R34 500}{200} = R172.5050 \times R172.50 = R8 625Veighted-averageSales - Cost of sales = Gross profitSales - Cost of sales = Gross profitSales - Cost of sales = Gross profitR45 000 - R25 875 = R19 125$

Gross profit using the periodic inventory system	Gross profit using the periodic inventory system
Sales - Cost of sales = Gross profit	Sales - Cost of sales = Gross profit
R45 000 - *R22 500 = R22 500	R45 000 - * R25 875 = R19 125
Cost of sales	Cost of sales
R5 000 + R29 500 - R12 000 = R22 500	= R5 000 + R29 500 - R8 625 = R25 875
Conclusion	Conclusion
FIFO shows higher closing inventory value than	Weighted average shows a lower closing inventory
weighted average.	than FIFO.
FIFO shows a greater profit than weighted average	Weighted average shows a smaller profit than FIFO
These comparisons can also look at other advantages	These comparisons can also look at other advantages
and disadvantages of using one e.g. tax.	and disadvantages of using one e.g. tax.

Ethical considerations: Manipulation of inventory methods will lead to manipulation of profit. The method used must be disclosed. Therefore a business cannot change from one method to another to increase/decrease profits.

Internal control

Preventive controls are proactive controls, designed to prevent a loss, error, or omission. Examples of preventive controls are:

- separation of duties e.g. different persons for receiving, recording and sale • of trading inventory
- **proper authorisations** for the buying and selling of trading inventory •
- adequate documentation recording and checking of trading inventory done accurately and timeously
- physical security inventory kept in safe storage with proper security •

Detective controls attempt to detect a loss or error has occurred, but do not prevent them from occurring.

- Regular supervisory review of account activity, reports, reconciliations •
- Routine spot-checking of transactions, records and reconciliations (do • things make sense and look reasonable)
- Variance analysis checking the budgeted values against the actual and • recording the variances
- Physical inventories stocktaking at the end of the financial year •
- Internal audit review to ensure proper controls were done in relation to trading inventory.