## basic education

Department:
Basic Education
REPUBLIC OF SOUTH AFRICA

## SENIOR CERTIFICATE EXAMINATIONS/ NATIONAL SENIOR CERTIFICATE EXAMINATIONS

## ACCOUNTING P2 <br> MARKING GUIDELINES

2022

MARKS: 150

## MARKING PRINCIPLES:

1. Unless otherwise stated in the marking guidelines, penalties for foreign items are applied only if the candidate is not losing marks elsewhere in the question for that item (no penalty for misplaced item). No double penalty applied.
2. Penalties for placement or poor presentation (e.g. details) are applied only if the candidate is earning marks on the figures for that item.
3. Full marks for correct answer. If answer incorrect, mark the workings provided.
4. If a pre-adjustment figure is shown as a final figure, allocate the part-mark for the working for that figure (not the method mark for the answer). Note: if figures are stipulated in memo for components of workings, these do not carry the method mark for final answer as well.
5. Unless otherwise indicated, the positive or negative effect of any figure must be considered to award the mark. If no + or - sign or bracket is provided, assume that the figure is positive.
6. Where indicated, part-marks may be awarded to differentiate between differing qualities of answers from candidates.
7. This memorandum is not for public distribution as certain items might imply incorrect treatment. The adjustments made are due to nuances in certain questions.
8. Where penalties are applied, the marks for that section of the question cannot be a final negative.
9. Where method marks are awarded for operation, the marker must inspect the reasonableness of the answer.
10. Operation means 'check operation'. 'One part correct' means operation and one part correct. Note: check operation must be $+,-, x, \div$, or per memo.
11. In calculations, do not award marks for workings if numerator \& denominator are swapped - this also applies to ratios.
12. In awarding method marks, ensure that candidates do not get full marks for any item that is incorrect at least in part. Indicate with a $\boxtimes$.
13. Be aware of candidates who provide valid alternatives beyond the marking guideline. Note that one comment could contain different aspects.
14. Codes: $f=$ foreign item; $p=$ placement/presentation.

## These marking guidelines consist of 10 pages.

## QUESTION 1

### 1.1 VAT

### 1.1.1 Give ONE reason why Chuckles decided to register for VAT. <br> ONE valid reason <br> part marks for incomplete / partial / unclear responses

- He will be able to claim VAT input from SARS / He supports or pays VAT for most of his purchases / He wants to benefit from input VAT on certain expenses or assets that he buys.
- He sells goods that are subject to standard rate VAT (15\%)
- VAT collections will earn interest for a period of time
- Should his turnover exceed R1 000 000, he does not have to worry about being penalised by SARS for not complying (compulsory registration)
- He expects his business to grow and will be compelled to register.
- Responsible citizen - collect tax for SARS - improve the economy

Do not accept benefit to his cash flow

1.1.3 Chuckles uses the money collected for VAT to pay business expenses. He does not have sufficient cash to make the VAT payments on the due dates. What would you say to Chuckles? State TWO different / separate points.
Any TWO valid points $\checkmark \quad \checkmark$ could be a comment or advice;

- It is illegal / can be sued / legal action / face criminal charges / tax evasion / penalties or fines imposed by SARS, if investigated.
- It is unethical / the money does not belong to the business / agent of SARS.
- He should budget / plan / manage his expenses more effectively.
- Keep detailed records of VAT separate from business records and diarise payment dates.
- Using the money could become a bad habit / rolling of cash
- He must discontinue this practice.


### 1.2 CREDITORS' RECONCILIATION

1.2.1

|  | CREDITORS' LEDGER ACCOUNT OF LAWES WHOLESALERS | STATEMENT RECEIVED FROM LAWES WHOLESALERS |
| :---: | :---: | :---: |
| Balance | 67870 | 46590 |
| (i) | -750 |  |
| (ii) | + $580 \checkmark$ | -580 |
| (iii) |  | $\begin{array}{rr} -900 \\ \begin{array}{c} -8700+7800) \\ \text { two marks } \end{array} & \checkmark \checkmark \\ \hline \end{array}$ |
| (iv) | $\begin{array}{r} -1280 \\ -640 \\ \text { one mark one mark } \end{array} \quad \checkmark \checkmark$ |  |
| (v) | -11400 |  |
| (vi) |  | $\begin{array}{r} -1920 \\ -14720+12800 \\ \hline \end{array}$ |
| (vii) | +1250 |  |
| (viii) |  | + $3180 \checkmark$ |
| (ix) |  | +9900 $\checkmark$ |
| BALANCE | 56270 V* | 56270 |

* one part correct, for both total, inspect; must include opening balance

Accept brackets for - sign; if no sign assume positive;
Superfluous (foreign) entries - 1 on each line if mark/s earned on that line.
Be aware of penalties for foreign entries.

### 1.2.2 Mani feels that the creditors' clerk is not efficient in performing her duties.

## Provide evidence to support his opinion.

ONE relevant point $\checkmark$ with evidence $\checkmark$ may be explanation or figure

- Exceeding the credit limit of R45 000 (Balance is R46 590 or R67 870)
- Not abiding to credit terms of 30 days (R4 380 is > 90 days; R11 $430>60$ days)
- Poor recording of transactions, evidence such as: returns not captured (750); posting to wrong side (640); posting to the wrong account (11400) / mention specific documents incorrectly recorded.
- Not taking advantage of discounts because of late payment (R1 250)

Explain how he can solve this problem.
ONE valid point $\checkmark \checkmark$ part marks for incomplete / partial / unclear responses

- Better supervision (monitoring) through regular audit and checking records
- Keep a register of payment due dates / EFT (debit order) payments
- Divide duties such as one person does recording, another does the payments, etc, so that one person checks on the other
- Provide training for the clerk to improve bookkeeping procedures \& routine tasks
- Install accounting package (application) / computer system.


| TOTAL MARKS | 30 |
| :---: | :---: |

## QUESTION 2

### 2.1.1 Calculate the following for the Production Cost Statement:

| WORKINGS | ANSWER |
| :---: | :---: |
| Direct material cost |  |
| $\begin{array}{ccccccc}  & \checkmark & & \checkmark & & \checkmark & \\ 3000 & \times & 3,2 \mathrm{~m} & \times & 105 \% & \times & 450 \end{array}$ | 4536000 V <br> one part correct |
| Be aware of various permutations for calculations, e.g. |  |
| $9600 \times 105 \% \times 450$ or $10080 \times 450$ or $3000 \times 3,36 \times 450$ |  |
| ( ${ }_{\text {closing stock }}^{976500}$ |  |
|  |  |
| Direct labour cost |  |
| $40 \times 9800 \times 124704000 \checkmark$ |  |
| Bonus payments $210000 \checkmark \checkmark$ | $4963140 \checkmark^{*}$ |
| $\begin{array}{lr}\text { Gross wage } & 4914000 \\ \text { UIF (1\% of gross) } & 49140 \text { if } 1 \% \text { of gross }\end{array}$ | *one part correct |
|  |  |
| Factory overhead cost |  |
| TOTAL 941500 |  |
| Consumable stores $35700 \checkmark \checkmark$ |  |
| Rent expense $248000 \checkmark \checkmark$ | $1327260 \nabla^{*}$ |
|  | *one part correct |
| $31500 \times 108 \% \times 3$ or (31500 + 2520) $\times 3$ |  |

### 2.1.2 Abridged Statement of Comprehensive Income (Income Statement) for the year ended 31 March 2022

| Sales | 18104000 |
| :---: | :---: |
| $\begin{array}{\|cc\|} \hline \text { Cost of sales } & (3000 \times 3750) \text { one mark }) \\ 260000 \checkmark & +11250000 \checkmark-195000 \checkmark \\ & +10826400 \text { m.mark see 2.1.1 } \\ (4536000+4963140+1327260) \\ \hline \end{array}$ | $\begin{array}{r} (11315000) \nabla^{*} \\ 10891400 \end{array}$ |
| Gross profit Sales - cos | $\begin{array}{r} \hline 6789000 \mathrm{~V} \\ 7212600 \\ \hline \end{array}$ |
| Operating expenses Operation | $(1670400)$ V |
| Selling and distribution cost $866400+186000$ | $1052400 \checkmark$ |
| Administration costs <br> 532 200 $+23800 \nabla^{\star}$ <br> see $\operatorname{FOHC}(59500-35700 \mathrm{cs} \mathrm{amt})$$+62000 \checkmark \quad$. | $618000 \nabla^{*}$ |
| Net profit for the year GP - OE | $\begin{array}{r} \hline 5118600 \mathrm{~V} \\ 5542200 \\ \hline \end{array}$ |

* one part correct

\subsection*{2.2.1 Calculate the break-even point for shirts in 2022. <br> | Calculate the break-even point for shirts in 2022. |  |
| :---: | :---: |
| WORKINGS | ANSWER |
| $(94,20 \times 22000)$ one mark <br> $\frac{2072400 \checkmark}{360 \checkmark-246,60} \checkmark$ <br> 113,40 two marks | $18275,1 \quad \checkmark$ one part correct <br> Mark numerator and denominator as such (Principle 11) |}

2.2.2 Fiona has invested in new equipment to make the shoes. She knows that she has saved $10 \%$ of the fixed costs for shoes, but she cannot understand why the fixed costs per unit increased. Explain. Provide figures.
Valid explanation $\checkmark$ Figure/s $\checkmark$

- Production decreased from 21200 units to 15000 units / by 6200 units / by 29,2\% causing fixed cost per unit to increase from R97,80 to R117,90 / by R20,10 / by 20,6\% / dis-economies of scale / fixed costs not influenced by the level of production.
- Fixed costs (FOHC) in 2021 were R1 320 760; and reduced to R1 096500 in 2022 / difference: R 224260 or 16,9\% Although there was a reduction in total fixed costs, the fixed cost per unit increased due to decline in production (by 6200 units).

2.2.3

|  | COST (with figures) | SOLUTION |
| :---: | :---: | :---: |
| SHIRT <br> Cost $\checkmark$ <br> Figure <br> Solution $\checkmark$ | Direct labour (DLC) <br> Increased from R110,00 to R136,70 / by R26,70 / by 24,3\% | - Train (factory) workers to be more efficient <br> - Improve supervision <br> - Reduce / control overtime / use casual, cheaper labour after hours <br> - Set targets for normal time hours (time and motion studies) <br> - Incentives / bonuses if targets met |
| SHOE <br> Cost <br> Figure $\checkmark$ <br> Solution $\checkmark$ | Selling and distribution (SDC) <br> Increased from R35,50 to R44,80 / by R9,30 / by 26,2\% | - Reduce / monitor / look for cheaper / more effective advertising <br> - Salespersons can be assigned to other tasks when production drops <br> - Offer commission to salespersons instead of a (fixed) basic salary <br> - Outsource / reduce / monitor / insert trackers to delivery services / use cost-efficient vehicles (hybrid) |
| TIE <br> Cost Figure $\checkmark$ <br> Solution $\checkmark$ | Direct material (DMC) <br> Increased from R36,30 to R48,00 / by R11,70 / by 32,2\% | - Source cheaper suppliers (without compromising quality) <br> - Local supplier / reduce transport and storage costs <br> - Buy in bulk to take advantage of bulk discounts <br> - Use off cuts (by-products) / minimise wastage <br> - Train / supervise (factory) workers |



TOTAL MARKS

## QUESTION 3

3.1

| 3.1.1 | First-in-first-out method $\checkmark$ |
| :--- | :--- |
| 3.1.2 | Perpetual / Continuous system $\checkmark$ |
| 3.1.3 | Weighted-average method $\checkmark$ |

### 3.2 RATO COOKWARE

\subsection*{3.2.1 Calculate the value of closing stock of pots on 28 February 2022. <br> | WORKINGS | ANSWER |
| :---: | :---: |
| Mark numerator and denominator as such (Principle 11) | R344 960 ■ <br> one part correct \& if $x 980$ | <br> |  |
| :--- |
| 4 |}

### 3.2.2 Lerato is unsure how long it will take to sell the closing stock of pots.

| P | n. |  |
| :---: | :---: | :---: |
| WORKINGS |  | ANSWER |
| $\begin{gathered} \text { See 3.2.1 above } \\ \frac{344960 \boxtimes}{1591040 \checkmark} \times 365 \end{gathered}$ <br> Numerator and denominator must be Rand values <br> Mark numerator and deno If Rand amounts are mixed with Units, no mark on the | OR Units 980 one mark $\times 365$ 4270 one mark <br> Numerator and denominator must be number of unit <br> ator as such (Principle 11) ward 1 mark for the numerator only; inal answer. | 79,1 days / <br> 2,6 months <br> OR <br> 83,8 days / <br> 2,8 months V <br> one part correct. If $x 365$ or 12 |
| Explain whether the period calculated is acceptable, or not. |  |  |
| Valid explanation $\checkmark \checkmark$Depends on calculation above, figures not necessary part marks for incomplete / partial / unclear responses |  |  |
| Possible responses for "period is Acceptable": <br> Pots are durable items and can be sold in the near future / has a long shelf-life / there is always a need (demand). <br> Possible responses for "period is Not Acceptable": <br> Consumers taste or preference may change / possibility of being replaced by later model, improved products / risk of theft or damage (need to write off) / takes up storage space. |  |  |


| 3.2.3 | Calculate the number of pots missing. |  |
| :---: | :---: | :---: |
|  | WORKINGS | ANSWER |
|  | $\begin{aligned} & (800+4700) \text { one mark } \\ & 5500 \boxtimes \\ & \text { See 3.2.1 } \end{aligned}-4270 \checkmark-980 \checkmark ~$ | $\begin{gathered} 250 \text { 『 } \\ \text { one part correct } \end{gathered}$ |

3.2.4 Calculate the value of closing stock of microwave ovens.

| WORKING | ANSWER |
| :---: | :---: |
| SWIFT: $\begin{aligned} & (380+750-965) \\ & 165 \vee \vee \times 2800 \vee \\ & 462000 \text { three marks } \end{aligned}$ | $\begin{aligned} & \text { three marks three marks } \\ & 462000+1056000 \end{aligned}$ |
| $\begin{array}{ccccc} & \begin{array}{c}\text { Opening stock }\end{array} \text { purchases } & \text { units sold } & \text { unit cost } & \text { sales }\end{array}$ gross profit |  |
| DELTA: $\begin{aligned} & (430+600-120-580) \\ & 330 \checkmark \vee V 200 \\ & 1056000 \text { three marks } \end{aligned}$ | $1518000 \boxtimes$ |
|  |  |

Be alert to alternative methods of calculations, such as the use of cost of sales, gross profit or Trading Account format
3.2.5 TWO reasons in favour of the decision to discontinue selling the Delta model

TWO reasons $\checkmark \checkmark$ figures $\checkmark \checkmark$

- High returns: possibly of poor quality, 120 microwave ovens / $20 \%$ of purchases
- High closing stock / capital tied up in stock; 330 units or R1 056000 see 3.2.4
- Low sales volume; only 580 of 910 ( $63,7 \%$ ) / 385 units or R805 000 less than Swift
- Too expensive for customers (R5 600 which is R1 400 more than a Swift model)
- It is a more expensive product; R3 200 (pays R400 more than Swift)

ONE reason against the decision to discontinue selling the Delta model.
ONE reason $\checkmark$ figure $\checkmark$

- Delta stoves generates a higher gross profit of R1 392000 (R41 000 more than Swift); higher MU\% of $75 \%$ (compared to $50 \%$ for Swift) / Option to reduce selling price R5 600 (R1 400 more than a Swift model)
- Loss of high sales revenue of R3 248000 may impact cash flow / lose the support of a select group of customers ( 580 units) or reducing the option for clients.

3.2.6

Identify the problem relating to the Swift microwave ovens on 6 January 2022. Quote figures.

Problem identified $\checkmark$ figure (difference of 25 mentioned or implied) $\checkmark$
75 units were delivered but 50 units was recorded on the stock card /
The stock record reflects 25 units less than the total number of units delivered.

## State TWO internal control measures that the internal auditor should implement to ensure that such incidents do not occur in the future.

TWO control measures $\checkmark \checkmark \checkmark \checkmark$ part marks for incomplete / partial / unclear responses

- Need for physical count and verification (check) of stock against records
- Compare / verify / check the information on order forms, delivery note and invoice before updating stock records, or sending details to the bookkeeper
- Different employees must be responsible for ordering, receiving, recording, stock control
Accept Division of duties and install cameras (CCTV) as incomplete separate responses for 1 mark each.


## QUESTION 4

### 4.1.1 DEBTORS' COLLECTION SCHEDULE

| MONTH | CREDIT SALES | JUNE 2022 | JULY 2022 |
| :--- | ---: | ---: | ---: |
| April 2022 | $\mathbf{5 6 7 0 0 0}$ | $\mathbf{6 8 0 4 0}$ | Superfluous entry <br> Lose method on total |
| May 2022 | $\mathbf{5 7 7 5 0 0}$ | $\mathbf{2 5 9 8 7 5}$ | $69300 \checkmark \checkmark$ |
| June 2022 | $\mathbf{5 9 8 5 0 0}$ | $\mathbf{2 2 7 4 3 0}$ | $269325 \checkmark \checkmark$ |
| July 2022 | $\mathbf{6 0 9} \mathbf{0 0 0}$ |  | $231420 \checkmark \checkmark$ |
| RECEIPTS FROM DEBTORS |  | $\mathbf{5 5 5 3 4 5}$ | $570045 ~$ <br> one part correct |



### 4.1.2 Calculate:

| WORKINGS | ANSWER |
| :---: | :---: |
| (i) $\quad$ Commission income in July 2022 $\quad 1015000 \checkmark \times 8 \% \checkmark$ | $\begin{gathered} 81200 \boxtimes \\ \text { one part correct } \end{gathered}$ |
| (ii) Bad debts written off in July 2022 <br> $567000 \times 3 \%$ OR $567000-549990$ | $\underset{\text { one part correct }}{17010 \checkmark \nabla}$ |
| (iii) Salaries and wages in June 2022 $196980 \times 100 / 105 \quad \text { OR } 196980-9380$ | $\begin{array}{r} 187600 \checkmark \vee \\ \text { one part correct } \end{array}$ |
| (iv) Discount allowed in June 2022 $598500 \times 40 \% \times 5 \%$ <br> OR $227430 \times 5 / 95$ OR $239400-227430$ OR $997500 \times 1,2 / 100$ | $11970 \checkmark \nabla$ <br> one part correct |

### 4.1.3 Calculate:

| WORKINGS | ANSWER |
| :---: | :---: |
| Payments to creditors in July 2022 |  |
| $96 \underset{550 \text { 000 two marks }}{500 \times 100 / 175 \times 20 \% \text { OR } 550000-440000}$ | $110000 \text { V }$ <br> one part correct |
| Amount of the loan to be paid on 1 July 2022 Be alert to different methods for calculations |  |
| $\frac{525 \checkmark \times 12 \checkmark}{0,14 \checkmark} \quad \text { OR } \begin{gathered} \text { two marks } \\ 390000-\begin{array}{c} \text { two marks } \\ \text { If either figure is shown as a final answer, } \end{array} \end{gathered}$ | $\begin{gathered} 45000 \boxtimes \\ \text { one part correct } \end{gathered}$ |
|  |  |

### 4.2 FRAZILA (PTY) LTD

4.2.1

Explain whether Peter should be satisfied with the actual delivery cost in April 2022, or not. Quote figures.

Explanation including a comparison with sales $\checkmark$
Figure (amount or percentage) for delivery expense $\checkmark$ Figure (amount or percentage) for sales $\checkmark$ * * Figures may be reflected as a difference or combined in the response.

Peter should not be satisfied because

- He budgets to spend 15\% of sales on delivery (425 $250 \div 2835000$ ) but the actual amount spent was $18 \%$ of actual sales ( $408240 \div 2268000$ ) / $+3 \%$ points
- If he adhered to the budget of $15 \%$ on sales, then the actual amount spent should be R340 200 (2 $268000 \times 15 \%$ ) / R68 040 more than the budget ( $408240-340$ 200)
- Actual sales were $20 \%$ or R567 000 less than budget (or by 150 stoves less) but delivery expense was 4\% or R17 010 less than budget (425 250-408 240)
- Delivery budget per stove R567, paid R680 per stove (on average)

Explain whether Peter made a good decision in changing the delivery service provider to Prime Deliveries, or not. Quote figures.

Explanation including a comparison with sales $\checkmark$
Figure (amount or percentage) for delivery expense $\checkmark$ Figure (amount or percentage) for sales $\checkmark$ *

* Figures may be reflected as a difference or combined in the response.

Peter will be satisfied with the change

- He budgets to spend $15 \%$ of sales (425 $250 \div 2835000$ ) but he only spent $10 \%$ of actual sales (319 $500 \div 3195$ 000) in May.
- If he spent 15\% of actual sales, as expected, it would have cost him R479 250 (3 $195000 \times 15 \%$ ) He made a savings of R159 750 (R479 250 - R319 500)
- Actual sales exceeded the budget by $20 \%$ ( $360000 \div 2835000$ ) or by 150 stoves. but delivery expense was below the budget by R105 750 (425 250-319 500)
- Actual sales increased by $50 \%$ (by 300 units) or by $40,1 \%$ (by R927 000), but delivery expenses dropped by 21,7\% (by R88 740)
- Budgeted R567 per stove, but paid R355 on average.


### 4.2.2

| Apart from changing the delivery service, identify TWO other strategies that Peter implemented in May 2022 in response to the competitor. Quote figures. |  |
| :---: | :---: |
| STRATEGY <br> 1 <br> Explanation figures amounts or \% $\checkmark$ | Advertising: Budgeted R120 000, spent R192 000 / spent R72 000 more 60\% more ( 72 000/120 000) <br> Adjusted composition of cash / credit sales: <br> - Credit sales budgeted at $50 \%$ of total sales (1417500/2835000) actual was $70 \%$ of sales ( $2236500 / 3195000$ ) or $58 \%$ more than budgeted ( $819000 / 1417500$ ) OR |
| STRATEGY <br> 2 <br> Explanation $\checkmark$ Figures amounts or \% $\checkmark$ | - Sacrificed / reduced / less cash sales, budgeted $50 \%$ of sales (1417500/2835000), actual was 30\% (958 $500 / 3195000$ ); or 32,4\% less than budgeted (459 000/1 417 500) <br> Adjusted MU\% / Reduced Selling Price: <br> Decreased selling price from R3 780 to R3 550 / by R230 / 6,1\% / Decreased MU\% from 80\% to 69\% |
| Explain how these other strategies have affected the sales and the profit. Quote figures. <br> Explanation on sales $\checkmark$ figure $\checkmark$ Explanation on profit $\checkmark$ figure $\checkmark$ accept amounts or \% <br> Total Sales: <br> - More than budget by $12,7 \%$ or by R360 000 (Credit sales: + 819000 ; Cash sales: -459000 ) <br> - More than the actual amount achieved in April by R927 000 / by 40,9\% <br> - Sold 150 units ( $20 \%$ ) more than budgeted figure of 750 units or 300 more than April sales. <br> Gross profit: <br> - More than budgeted by 3,6\% (45000/1260000) <br> - More than profit earned in April by 29,5\% (297 000 / 1008000 ) |  |

### 4.2.3 Peter is confused about why the cash balances are not good despite the fact that sales increased in May 2022. Explain. Quote figures.

ONE valid point $\checkmark$ with figures $\checkmark$ accept amounts or \%
The switch to more credit sales: emphasis on low cash sales

- Cash sales of R958 500 is less than budget by R459 000 / 32,4\% less than what was expected / only $30 \%$ of the total sales.
- Cash sales is R288 900 less than April cash sales / $23,2 \%$ less.

Payments to creditors: emphasis on the large cash outlay

- Credit terms are 30 days, April cost of sales, R1 260000 must be paid in May, whereas debtors would pay outstanding balances over a period, (according to payment trend).

