



**KWAZULU-NATAL PROVINCE**  
**EDUCATION**  
REPUBLIC OF SOUTH AFRICA

**NATIONAL  
SENIOR CERTIFICATE**

**GRADE 12**

**MATHEMATICAL LITERACY**  
**COMMON TEST**  
**MARCH 2023**

**MARKS: 100**

**TIME: 2 hours**

*Stanmorephysics*

**This question paper consists of 10 pages, and an Addendum with 2 Annexures.**

**INSTRUCTIONS AND INFORMATION**

1. This question paper consists of FOUR questions. Answer ALL the questions.
2. Use the ANNEXURES in the ADDENDUM to answer the following questions:  
ANNEXURE A for QUESTION 1.1.  
ANNEXURE B for QUESTION 2.2.
3. Number the answers correctly according to the numbering system used in this question paper.
4. Start EACH question on a NEW page.
5. You may use an approved calculator (non-programmable and non-graphical), unless stated otherwise.
6. Show ALL calculations clearly.
7. Round off ALL final answers appropriately according to the given context, unless stated otherwise.
8. Indicate units of measurement, where applicable.
9. Write neatly and legibly.



**QUESTION 1**

1.1

Nombuso has an account with Standard Bank. ANNEXURE A shows an extract of her bank statement.

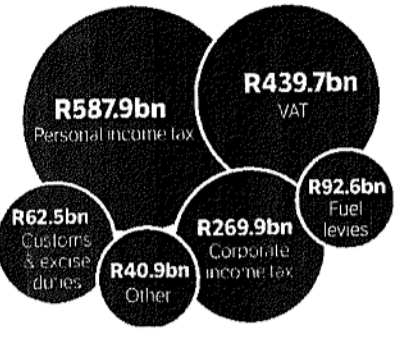
Use ANNEXURE A to answer the questions that follow.

- 1.1.1 Define the word “*debit*” according to the given context above. (2)
- 1.1.2 Determine the number of days covered by the statement. (2)
- 1.1.3 Write down the statement frequency. (2)
- 1.1.4 Show how the total VAT amount of R38,09 was determined. (2)



1.2

A summary of 2022/2023 government income and expenditure is given below.

Income	Expenditure		
	Sector	Amount (in billion rand)	
 <p><b>TAX AT A GLANCE</b> Projected tax revenue 2022/2023</p> <p><b>R587.9bn</b> Personal income tax <b>R439.7bn</b> VAT <b>R269.9bn</b> Corporate income tax <b>R92.6bn</b> Fuel levies <b>R40.9bn</b> Other <b>R62.5bn</b> Customs &amp; excise duties</p>	Economic Development	R227,1	
	Learning and Culture	R441,5	
	Peace and Security	R220,7	
	Health	R259,0	
	General Public Service	R 69,2	
	Community Development	R236,3	
	Debt Service Costs	R301,8	
	Contingency Reserve	R 10,0	
	Social Development	R364,4	
	<b>TOTAL</b>	<b>R1 493,5</b>	<b>TOTAL</b>

[Extract: www.treasury.gov.za]

Use the information above to answer the following questions.

- 1.2.1 Identify the type of tax which is the biggest source of revenue for the state. (2)
- 1.2.2 Write the amount received from personal income tax as a number in millions. (2)
- 1.2.3 Show how the total income was determined. (3)
- 1.2.4 Calculate the state deficit and write the figure in full. (3)
- 1.2.5 If a sector is chosen at random, determine the probability that the expenditure amount is greater than R200 billion. (2)

[20]



## QUESTION 2

2.1

Prince Mchunu owns a house in Johannesburg built on a stand that is 1 550 m<sup>2</sup>. Sewer monthly charge depends on the size of the stand.

**TABLE 1** below shows the 2022/2023 water and sewer tariffs for Johannesburg Municipality. N.B: Tariff rates exclude 15% VAT.

Residential Water Tariff		Sewer Monthly Charge (VAT Incl.)		
Kilolitres	R/kℓ	Block	Stand Size (m <sup>2</sup> )	Monthly Charge
0 - 6	-	1.	Up to and including 300m <sup>2</sup>	R 307,42
+6 - 10	R22,26			
+10 - 15	R23,23	2.	More than 300m <sup>2</sup> to 1000m <sup>2</sup>	R 598,44
+15 - 20	R32,57			
+20 - 30	R45,01	3.	More than 1000m <sup>2</sup> to 2000m <sup>2</sup>	R 905,33
+30 - 40	R49,23			
+40 - 50	R62,11	4.	More than 2000m <sup>2</sup>	R1 304,42
+50	R66,56			

Source: [www.joburg.org.za]

**NOTE: Stand is a plot size**

Use the given information and TABLE 1 above to answer the following questions.

2.1.1 Determine the sewer monthly charge for Prince Mchunu. (2)

2.1.2 Match the items in Column A with items in Column B. Write the number and letter ONLY.

A	B
(i) VAT	X: 90 533 cents
(ii) Amount Excluding VAT	Y: Value Added Tax
(iii) R905,33	Z: (Amount Including VAT) ÷ 1,15

(3)

2.1.3 Calculate the sewer monthly VAT amount charged for Prince Mchunu's stand size. (2)

2.1.4 Prince Mchunu's household used 24 kℓ of water in January 2023 because of the wedding celebration.

Calculate the total amount Prince Mchunu paid for water and sewer including 15% VAT.

(6)

2.2

Prince Mchunu applied for a loan of R30 000 from Direct Axis. Loan conditions are given below.

Once-off initiation fee: R1 207,50

Monthly loan service fee: R69,00

Interest rate: 28% p.a compounded monthly

Monthly repayment: R1 891,16 (including monthly service fee)

Loan term: 2 years

**N.B: Once-off initiation fee can be paid upfront or be added to the monthly repayment. Prince paid it upfront.**

ANNEXURE B shows the interest incurred, payments made and balance owed over the loan term until the loan is fully paid.

Source: [www.directaxis.co.za](http://www.directaxis.co.za)

Use the information above and ANNEXURE B to answer the following questions.

- 2.2.1 Calculate the monthly interest rate as a percentage. Do not round off. (2)
- 2.2.2 Calculate the real cost of the loan. (3)
- 2.2.3 Prince claimed that the total interest on the loan was exactly R7 903. Verify his claim with calculations. (5)

2.3

The annual inflation rate for 2022 was 5,73% and the projected annual inflation rates for 2023 and 2024 are 4,65% and 4,6% respectively. The price of cooking oil (5ℓ) for 2022 was R229,99 at Pick n Pay.

Source: [www.pnp.co.za](http://www.pnp.co.za)

Use the given information above to answer the following questions.

- 2.3.1 Using the 2022 price of cooking oil and the 2022 inflation rate, calculate what the same 5 litres of cooking oil cost in 2021. (3)
- 2.3.2 Calculate what the expected price of cooking oil (5ℓ) will be in 2024 using the given inflation rates. (4)

[30]





## QUESTION 3

3.1

Bongani, aged 32, earns a basic salary of R35 700 per month. He is married with 3 children and belongs to a medical aid scheme.

Use the information above to answer the questions that follow.

3.1.1 Determine Bongani's annual taxable income if he contributes 7.5% of the basic salary towards his pension fund each month. (4)

3.1.2 Calculate Bongani's annual tax if he receives a rebate of R16 425 per year and a medical aid credit of R815 per month for his entire family.

You may use the following formula:

**Annual Tax – Rebate – Medical aid credit for the year**

**= [73 726 + (31% of the taxable income above R353 000)] – Rebate – Medical aid credit for the year** (6)

3.1.3 Now determine Bongani's monthly tax. (2)



3.2

South African Revenue Service reported to the media that R1, 564 trillion tax revenue was received in 2022. TABLE 2 below shows the tax revenue received by SARS from 2019 to 2022.

**TABLE 2: TAX REVENUE RECEIVED BY SARS FROM 2019 TO 2022**

R'million	2019/20 <sup>a</sup>	2020/21 <sup>b</sup>	2021/22 <sup>c</sup>
Personal Income Tax <sup>1</sup>	529 172	488 446	555 780
Corporate Income Tax <sup>1</sup>	214 986	204 399	323 577
Dividends Tax / STC	27 930	24 845	33 397
Value-added Tax	346 761	331 197	390 697
Domestic VAT	399 288	392 936	448 782
Import VAT	179 987	166 454	204 332
VAT Refunds	-232 515	-228 193	-262 417
Specific Excise Duties <sup>2</sup>	46 827	32 273	49 552
Fuel Levy	80 175	75 503	88 877
Customs Duties <sup>2</sup>	55 428	47 290	57 970
Other taxes	54 502	45 800	63 914
<b>Total Tax Revenue</b>	<b>1 355 781</b>	<b>1 249 753</b>	<b>1 563 765</b>

[Adapted source: [www.sars.gov.za](http://www.sars.gov.za)]

Use the information in TABLE 2 above to answer the questions that follow.

- 3.2.1 Write R1, 564 trillion as a number in full. (2)
- 3.2.2 Determine the difference between the reported tax received and the actual tax received in 2021/2022. (3)
- 3.2.3 Calculate the percentage change in the tax received from 2019/20 to 2020/21. (4)
- 3.2.4 Show by calculation how the Value-added Tax of 390 697 was determined. (2)
- 3.2.5 Write down the ratio of the corporate income tax to personal income tax in 2021/22. (2)

[25]






## QUESTION 4

4.1

The data in TABLE 3 below is taken from 2019 National Senior Certificate exam report.

**TABLE 3: NUMBERS OF LEARNERS WHO WERE IN GRADE 2 IN 2009 AND THE MATRIC PASS RATE IN 2019.**



Province	Grade 2 in 2009	Grade 11 in 2018	Wrote matric in 2019	Passed matric 2019	Matric Pass rate	Provincial Ranking
Eastern Cape	179,461	109,870	63,198	48,331	76.5%	7
Free State	52,781	39,755	25,572	22,602	88.4%	1
Gauteng	145,109	132,676	97,829	85,342	87.2%	2
KwaZulu Natal	222,656	218,915	116,937	95,017	81.3%	5
Limpopo	117,786	128,755	70,847	51,855	73.2%	9
Mpumalanga	80,631	75,563	43,559	34,995	80.3%	6
Northern Cape	23,417	15,623	9,138	6,990	76.5%	3
North West	68,567	45,454	26,819	23,272	86.8%	7
Western Cape	81,847	61,066	50,404	41,502	82.3%	4
<b>NATIONAL</b>	<b>972,255</b>	<b>827,677</b>	<b>504,303</b>	<b>403,606</b>	<b>81.3%</b>	

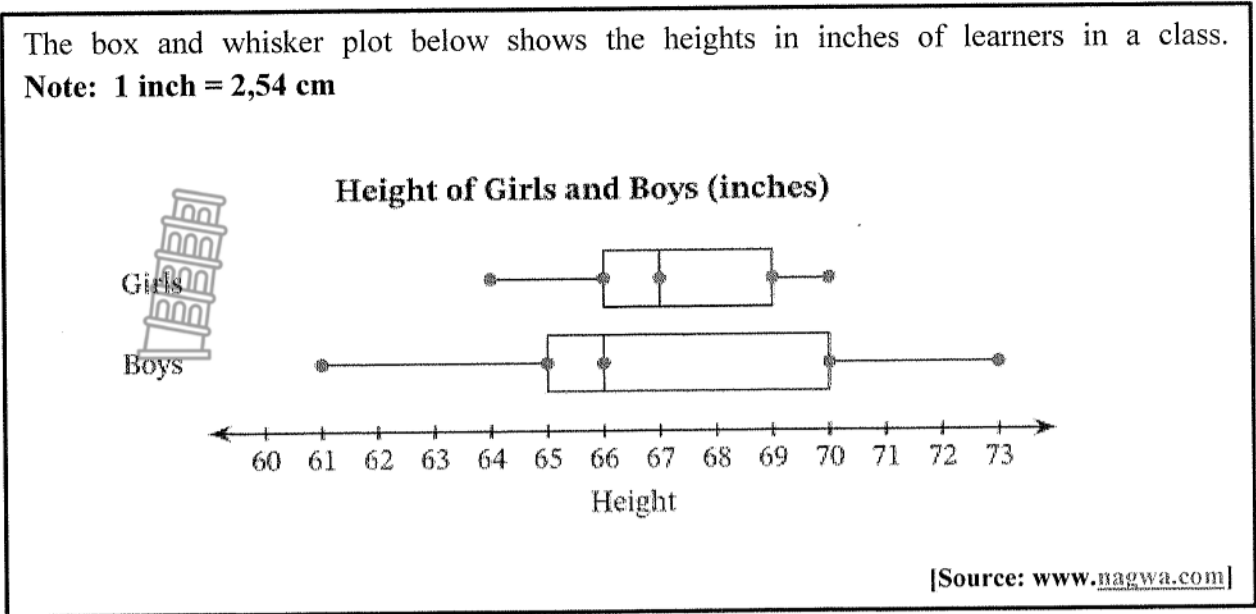
[Adapted source [www.groundup.org.za](http://www.groundup.org.za)]

Use the information in TABLE 3 above to answer the questions that follow.

- 4.1.1 Determine the percentage of learners from Grade 2 in 2009 who passed matric in 2019 in South Africa. (4)
- 4.1.2 Determine the name of the province with the median matric pass rate in 2019. (2)
- 4.1.3 Calculate the average (mean) number of learners who passed matric in 2019. (4)
- 4.1.4 Which measure of central tendency is a better representation of the data: mean or median? Give a reason for your answer. (3)



4.2



Use the information above to answer the following questions.

4.2.1 Determine the difference in the median height of the learners in inches. (3)

4.2.2 Calculate the inter quartile range for the height of the girls in inches.

You may use the formula:

$$IQR = Q3 - Q1 \quad (3)$$

4.2.3 A learner stated that 25% of girls' height was equal to 50% of the boys' height.

Verify if this statement is CORRECT. (3)

4.3

A survey was conducted amongst learners who participate in sport. TABLE 3 below shows the number of girls and boys who participate in sport.

**TABLE 3: LEARNER PARTICIPATION IN SPORT**

	SWIMMING	SOCCER	ATHLETICS	TOTAL
GIRLS	5	12	17	34
BOYS	11	3	7	21
TOTAL	16	15	24	55


4.3.1 Determine the probability, as a decimal, of a girl participating in swimming. (3)

[25]

**TOTAL: [100]**

## ANNEXURE A

## QUESTION 1.1


 ESHOWE 7630  
MONTHLY EMAIL

 Statement No: 11  
Page 5 of 5  
Statement Frequency: Monthly

Statement from 08 October 2022 to 08 November 2022

**BANK STATEMENT / TAX INVOICE**

ELITE CURRENT ACCOUNT

Account Number

1010 919 ### #

Details	Service Fee	Debits	Credits	Date	Balance
BALANCE BROUGHT FORWARD					14,779.26
FEE - PRE-PAID TOP UP	##	0.50-		11 03	14,778.76
IMMEDIATE PAYMENT 67982100 R NGWENYA		9,200.00-		11 03	5,578.76
FEE IMMEDIATE PAYMENT	##	50.00-		11 03	5,528.76
PRE-PAID PAYMENT TO MTN PREPAID 0825015755		15.00-		11 03	5,513.76
FEE - PRE-PAID TOP UP	##	0.50-		11 03	5,513.26
FEE: PAYMENT CONFIRM - SMS RAKESH NOOKHAI	##	1.35-		11 03	5,511.91
CHEQUE CARD PURCHASE ESHOWE 2 4451*4762 02 NOV		57.90-		11 04	5,454.01
CHEQUE CARD PURCHASE ESHOWE 2 4451*4762 02 NOV		29.90-		11 04	5,424.11
AUTOBANK CASH WITHDRAWAL AT 0000D967 2022-11-05T07:39:38 44		2,050.00-		11 05	3,374.11
IB PAYMENT FROM DUMISANI			3,800.00	11 07	7,174.11
IB PAYMENT TO BIDORBUY LAPTOP		3,800.00-		11 07	3,374.11
CHEQUE CARD PURCHASE SASOL ESHOWE 4451*4762 04 NOV		150.00-		11 08	3,224.11

## These fees include VAT at 14% up to 31 March 2018 and at 15% from 1 April 2018.

**VAT Summary**

Total charge amount (excluding VAT)	253.46-
Total VAT	38.09-
Total charge amount (including VAT)	291.55-

**Account Summary****Details of Agreement**


Balance at date of statement	3,224.11
------------------------------	----------

[Extract: Nombuso's bank statement]



## ANNEXURE B

## QUESTION 2.2



<b>Month</b>	1	2	3	4	5	6	7	8	9	10	11	12
<b>Interest</b>	700	672,21	643,76	614,66	584,87	554,39	523,20	491,28	458,62	425,19	390,99	355,98
<b>Payment</b>	1891,16	1891,16	1891,16	1891,16	1891,16	1891,16	1891,16	1891,16	1891,16	1891,16	1891,16	1891,16
<b>Balance</b>	28808,84	27589,89	26342,49	25065,99	23759,70	22422,93	21054,97	19655,09	18222,55	16756,58	15256,41	13721,23
<b>Month</b>	13	14	15	16	17	18	19	20	21	22	23	24
<b>Interest</b>	320,16	283,51	245,99	207,61	168,32	128,12	86,99	44,89	1,81			
<b>Payment</b>	1891,16	1891,16	1891,16	1891,16	1891,16	1891,16	1891,16	1891,16	<b>C</b>			
<b>Balance</b>	12150,23	10542,58	8897,41	7213,86	5491,02	3727,98	1923,81	77,54	0			

[Adapted from Prince's loan statement]







**KWAZULU-NATAL PROVINCE**

EDUCATION  
REPUBLIC OF SOUTH AFRICA



**NATIONAL  
SENIOR CERTIFICATE**

**GRADE 12**

**MATHEMATICAL LITERACY**

**COMMON TEST**

**MARKING GUIDELINE**

**MARCH 2023**

**MARKS: 100**

<b>SYMBOL</b>	<b>EXPLANATION</b>
M	Method
MA	Method with accuracy
CA	Consistent accuracy
A	Accuracy
C	Conversion
S	Simplification
RT/RG/RD/RM	Reading from a table/ graph/ diagram/Map
SF	Correct substitution in a formula
O	Opinion/ reason/deduction/example/Explanation
J	Justification
R	Rounding off
F	deriving a formula
AO	Answer only full marks
P	Penalty e.g. for units, incorrect rounding off etc.
NPR	No penalty for rounding / units
D	Correct definition

**This marking guideline consists of 8 pages.**






QUESTION 1 [20 MARKS] AO FULL MARKS			
QUE	Solution	Explanation	T&L
1.1.1	Money deducted from Nombuso's account ✓✓A <b>OR</b> Accept any valid definition relating to the context.	2A correct definition (2)	F L1
1.1.2	32 days ✓✓A	2A correct number of days (2)	F L1
1.1.3	Monthly ✓✓A	2A correct frequency (2)	F L1
*1.1.4	✓RT VAT = R291,55 – R253,46 ✓M = R38,09	1RT for R291,55 1M for subtraction (2)	F L1
1.2.1	Personal Income Tax ✓✓A	2A answer (2)	F L1
1.2.2	R587 900 million ✓✓A	2A answer (2)	F L1
1.2.3	✓M Total = R587,9 bn + R439,7bn + R269,9bn + R92,6b + 62,5bn +R40,9 ✓M = R1 493,5 bn	1M first pair 1M second pair 1M third pair (3)	F L1
1.2.4	Deficit = R1 493,5bn – R2 130bn ✓M = (R636,5bn) ✓A = (R636 500 000 000) ✓CA	1M subtracting 1A answer 1CA answer in full (3)	F L1
*1.2.5	P(greater than R200 billion) = $\frac{7}{9}$ ✓A	1A for numerator 1A for denominator (2)	P L1
		<b>[20]</b>	



<b>QUESTION 2 [30 MARKS]</b>			
2.1.1	R905,33✓✓RT	2RT answer (2)	F L1
2.1.2	(i) Y✓A (ii) Z✓A (iii) X✓A	1A for Y 1A for Z 1A for X (3)	F L1
2.1.3	VAT = R905,33 – (R905,33 ÷ 1,15)✓M = R905,33 – R787,24 = R118,09✓A  <b>OR</b>  VAT = R905,33 × (15 ÷ 115)✓M = R118,09✓M	1M dividing 1.15 1A answer  <b>OR</b>  1M dividing 115 1A answer (2)	F L2
2.1.4	Charge = 4(22,26) + 5(23,23) + 5(32,57) + 4(45,01)✓✓M = R548,08✓A  ✓M Total Payment = R548,08 × 1,15 + R905,33✓M = R1 535,62✓CA  <b>OR</b>  Charge = 4(22,26) + 5(23,23) + 5(32,57) + 4(45,01)✓✓M = R548,08✓A  VAT = 15% × R548,08 = R82,21✓M Total Payment = R548,08 + R82,21 + R905,33✓M = R1 535,62✓CA	2M for adding all correct values 1A answer 1M multiplying by 1,15 1M adding R905,33 1CA answer <b>OR</b> 2M for adding all correct values 1A answer  1M for VAT 1M for adding 1CA answer (6)	F L3
2.2.1	Monthly interest rate = 28% ÷ 12✓M = 2,333333333%✓A	1M dividing by 12 1A answer (2)	F L2
2.2.2	✓M Real Cost of Loan = 20(R1 891,16) + R79,35 + R1 207,50✓M = R39 110,05✓A	1M multiplying by 20 1M adding R79,35 and R1 207,50 1A answer (3)	F L2




<p>2.2.3</p>	<p style="text-align: center;">✓M                  ✓M</p> <p>Interest = <math>20(R1\ 891,16) + R79,35 - R30\ 000</math> ✓M              = <math>R7\ 902,55</math> ✓A</p> <p>The claim is NOT valid ✓O</p> <p style="text-align: center;">                  <b>OR</b></p> <p style="text-align: center;">✓M                  ✓M</p> <p>Interest = <math>(R39\ 110,05 - 1207,50) - R30\ 000</math>              = <math>R7\ 905,55</math> ✓A</p> <p>The claim is NOT valid ✓O</p>	<p>1M multiplying              1M adding              1M subtracting              1A correct answer              1O conclusion</p> <p style="text-align: center;"><b>OR</b></p> <p>1M multiplying              1M adding              1M subtracting              1A correct answer              1O conclusion</p> <p style="text-align: right;">(5)</p>	<p>F L4</p>
<p>2.3.1</p>	<p style="text-align: center;">✓M</p> <p>2021 Price = <math>R229,99 \div 105,73\%</math> ✓M              = <math>R217,53</math> ✓A</p> <p style="text-align: center;"><b>OR</b></p> <p>2021 Price = <math>R229,99 \times \frac{100}{105,73}</math> ✓M              = <math>R217,53</math> ✓A</p>	<p>1M dividing              1M for dividing by              105,73%              1A answer</p> <p style="text-align: center;"><b>OR</b></p> <p>1M for multiplying by              100              1M for 105,73              1A answer</p> <p style="text-align: right;">(3)</p>	<p>F L2</p>
<p>2.3.2</p>	<p>Price for 2022 = <math>R229,99</math>              Price for 2023 = <math>R229,99 \times 104,65\%</math> ✓M              = <math>R240,68</math> ✓A              Price for 2024 = <math>R240,68 \times 104,6\%</math> ✓M              = <math>R251,75</math> ✓CA</p> <p style="text-align: center;"><b>OR</b></p> <p style="text-align: center;">✓M</p> <p>2023 Increase = <math>4,65\% \times R229,99</math>              = <math>R10,69</math>              Price for 2023: <math>R229,99 + R10,69 = R240,68</math> ✓A              2024 Increase = <math>4,6\% \times R240,68</math>              = <math>R11,07</math> ✓M              Price for 2024 = <math>R240,68 + R11,07</math>              = <math>R251,75</math> ✓CA</p>	<p>1M multiplying by              104.65%              1A answer              1M multiplying by              104.6%              1CA answer</p> <p style="text-align: center;"><b>OR</b></p> <p>1M multiplying by              4.65%              1A answer</p> <p>1M multiplying by              4.6%              1CA answer</p> <p style="text-align: right;">(4)</p>	<p>F L3</p>
		<p> (4) <b>[30]</b></p>	

QUESTION 3 [25MARKS]			
QUE	Solution	Explanation	T &L
3.1.1	$\text{Monthly taxable income} = R35\,700 - (R35\,700 \times 7.5\%) \checkmark \text{MA}$  $= R33\,022,50 \checkmark \text{A}$ $\text{Annual taxable income} = R33\,022,50 \times 12 \checkmark \text{MA}$ $= R396\,270 \checkmark \text{A}$	1MA subtracting 7,5% 1A correct answer 1MA multiplying by 12 1A correct value (4)	F L2
3.1.2	Annual Tax $\checkmark \text{SF} \quad \checkmark \text{M} \quad \checkmark \text{MCA} \quad \checkmark \text{SF} \quad \checkmark \text{MA}$ $= [73\,726 + (31\% (396\,270 - R353\,000))] - 16\,425 - (815 \times 12)$ $= R60\,934,70 \checkmark \text{CA}$	<b>CA from 3.1.1</b> 1SF annual taxable income 1M multiplying by 31% 1MCA subtracting values 1SF rebate 1MA subtracting medical credit for the year 1CA answer (6)	F L3
3.1.3	$\text{Monthly tax} = R60\,934,70 \div 12 \checkmark \text{MCA}$ $= R5\,077,89 \checkmark \text{CA}$	<b>CA from 3.1.2</b> 1MCA dividing by 12 1CA answer (2)	F L2
3.2.1	$1\,564\,000\,000\,000 \checkmark \checkmark \text{A}$	2A correct answer (2)	F L2
*3.2.2	Difference $= R1\,564\,000\,000\,000 - 1\,563\,765\,000\,000 \checkmark \checkmark \text{MCA}$ $= R235\,000\,000 \checkmark \text{CA}$	2MCA subtracting correct values 1CA answer (3)	F L2
3.2.3	$\% \text{ Change} = \frac{1\,249\,753 - 1\,355\,781}{1\,355\,781} \times 100\% \checkmark \text{M}$ $= -7,82\% \checkmark \text{CA}$	1MA subtracting correct values 1MA dividing by 1 355 781 1M multiply by 100% 1CA answer (4)	F L2
3.2.4	$\text{Value added tax} = (448\,782 + 204\,332) - 262\,417$ $= 390\,697$	1MA adding correct values 1MA subtracting 262 417 (2)	F L2
*3.2.5	$323\,577: 555\,780 \checkmark \checkmark \text{RT}$	2RT correct values and order (2)	F L2
			<b>[25]</b>

QUESTION 4 [25 MARKS]			
QUE	Solution	Explanation	T & L
4.1.1	$\text{Percentage} = \frac{403\,606}{972\,255} \times 100\%$ $= 41,51\%$	1RT correct value 1RT dividing by correct value 1M multiply by 100% 1CA answer (4)	DH L2
4.1.2	Median = 73.2; 76.5; 76.5; 80.3; 81.3; 82.3; 86.8; 87.2; 88.4 = KwaZulu Natal	1A arranging values 1A correct answer AO (2)	DH L2
*4.1.3	Mean = $(48\,331 + 22\,602 + 85\,342 + 95\,017 + 51\,855 + 34\,995 + 6\,990 + 23\,272 + 41\,502) \div 9$ = 45 545,1 = 45 545	2M adding correct values 1M dividing by 9 1CA answer (4)	DH L2
4.1.4	Median Data set has an outlier of 6 990.	1A Correct answer 2O opinion (3)	DH L4
4.2.1	Difference = $67 - 66$ = 1 inch	2RG subtracting correct values 1CA answer (3)	DH L4
4.2.2	IQR = $69 - 66$ = 3	1RG correct values 1SF substitution 1CA answer (3)	DH L3





4.2.3	$Q_1$ of girls = 66 ✓RG $Q_2$ of boys = 66 ✓RG The statement is CORRECT. ✓O	1RG correct value 1RG correct value 1O opinion (3)	DH L2
4.3.1	 $P(\text{Girl swimming}) = \frac{5}{16} \checkmark A$ $= 0,3125 \checkmark CA$	1A for numerator 1A for denominator 1CA correct answer (3) <b>NPR</b>	
			<b>[25]</b>
		<b>TOTAL MARKS:</b>	<b>100</b>



**NOTES:**

- If a candidate answers a question TWICE, only mark the FIRST attempt.
- If a candidate has crossed out (cancelled) an attempt to a question and NOT redone the solution, mark the crossed out (cancelled) version.
- Consistent accuracy (CA) applies in ALL aspects of the marking guidelines; however, it stops at the second calculation error.
- If the candidate presents any extra solution when reading from a graph, table, layout plan and map, then penalise for every extra item presented.



1.1.4	$\text{VAT} = \text{R}253,46 \times 15\%$ $= \text{R}38,02$	Full marks
1.2.5	Accept 0,778 <b>OR</b> 77,8%	Full marks <b>NPR</b>
3.2.2	Accept R235 million	Full marks
3.2.5	$323\ 577 : 555\ 780$  $1:1,71$	Full marks
4.1.3	$\text{Mean} = 4\ 03\ 606 \div 9$ $= 44\ 845,11$ $= 44\ 845$	Full marks

