



KWAZULU-NATAL PROVINCE

EDUCATION  
REPUBLIC OF SOUTH AFRICA



**NATIONAL  
SENIOR CERTIFICATE**

**GRADE 12**

**MATHEMATICAL LITERACY**

**COMMON TEST**

**MARCH 2022**

Stanmorephysics.com

**MARKS: 100**

**TIME: 2 hours**

**This question paper consists of 11 pages, an Addendum with 1 Annexure  
and 1 Answer Sheet.**



## INSTRUCTIONS AND INFORMATION

1. This question paper consists of FOUR questions. Answer ALL the questions.
2. The question paper has one ANNEXURE and one ANSWER SHEET.
  - 2.1 Use the ANNEXURE for QUESTION 2.1.
  - 2.2 Use the ANSWER SHEET for QUESTION 2.2.4
  - 2.3 Write your surname and name in the spaces provided on the ANSWER SHEET and hand in the ANSWER SHEET with your ANSWER BOOK.
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

Given below is Duke Footwear catalogue showing some of the takkies sold online. All prices include 15% VAT.

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DUKE FOOTWEAR CATALOGUE – FEBRUARY 2022

 <p><b>NIKE AIR FORCE 1 BALLISTIC</b> R1400 SIZE 4-9</p>	 <p><b>ADIDAS NITEBALL</b> R1600 SIZE 5-9</p>	 <p><b>NIKE AIR MAX</b> R999 SIZE 3-9</p>
 <p><b>NIKE AIR FORCE LUNAR</b> R1600 SIZE 5-9</p>	 <p><b>NIKE AIR MAX 90</b> R1400 SIZE 3-8</p>	 <p><b>NIKE JORDAN 6</b> R1600 SIZE 3-9</p>
 <p><b>NIKE AIR FORCE 1</b> R1300 SIZE 3-9</p>	 <p><b>NIKE AIR FORCE 1 LOW</b> R1300 SIZE 4-9</p>	 <p><b>REEBOK CLASSIC LE</b> R1400 SIZE 3-8</p>

[Source: www.facebook.com]

Use the information above to answer the questions that follow.

1.1.1 Define the word “mode” according to the given context. (2)

1.1.2 Arrange the prices of the takkies in descending order. (2)

1.1.3 Calculate the range for the prices of takkies. (2)

1.1.4 In the statistical cycle, which stage comes after data representation? (2)

1.1.5 Based on the brand of takkies, is the data above numerical or categorical? (2)

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1.2

Mrs Kelly has an account with TFG. Given below is an extract from her statement:

TFG GROUP					
Jet Stores		Edgars Stores		Foschini stores	
Mrs T Kelly 27 Osborn Rd Eshowe 3815			Statement Number: 06 Credit available: R2 405,67		
Date: 01/02/2022			Account number: 5372611948		
Statement e-mail address: customerservices@tfg.co.za					Instalment R480.00
Date	Ref. no.	Details	Amount	Balance	Total Due R480.00
22/02/2022		Opening balance		6 284.83	Due Date 07/03/2022
22/02/2022		Cash payment Thank you!	480.00	5 804.83	Credit limit R8 690.50
26/02/2022		12 months plan Purchase Edgars	615.50	6 420.33	Enquiries 0860231453
26/02/2022		Purchase Edgars	110.25	6 530.58	Office Hours 8:00 -18:00
26/02/2022		Purchase Edgars	309.80	X	
Closing balance				Y	

[Adapted from www.customerservices@tfg.co.za]

Use the information above to answer the following questions.

- 1.2.1 How much credit is available to Mrs Kelly? (2)
- 1.2.2 Write down Mrs Kelly's credit limit. (2)
- 1.2.3 Calculate the total value of the items Mrs Kelly bought in February 2022. (2)
- 1.2.4 Calculate the value of X and Y. (2)
- 1.2.5 Write down the instalment for February 2022. (2)

[20]

**QUESTION 2**

2.1

ANNEXURE A shows the credit card statement of Mr Ntuli. Study the statement on ANNEXURE A and answer the following questions.

- 2.1.1 Interpret the balance brought forward amount for this statement. (2)
- 2.1.2 State the reason why some digits from the account number have been left out in the statement. (2)
- 2.1.3 Croxley Bank uses the formula below to calculate credit card withdrawal fees. Verify, using the formula, if the correct withdrawal fee was charged.  
**ATM withdrawal fees = R2 per R100 or part thereof.** (3)
- 2.1.4 Use the transaction details to show, with calculations, how the closing balance amount of R28 135,76 was calculated. (5)
- 2.1.5 Give one disadvantage of Mr Ntuli buying items using his credit card. (2)

2.2

The table below shows the 2021/2022 Johannesburg Metropolitan Bus tariffs that came into effect on 01 July 2021.

**2021/2022 METROBUS FARES FOR ADULTS**

Stage No.	Cash Fare	52 Trip Monthly	44 Trip Monthly	14 Trip Monthly	12 Trip Monthly	10 Trip Monthly
1.	R13,50	R524,10	R443,40	R141,10	R121,00	R100,90
2.	R15,90	R616,30	R521,50	R165,90	R142,30	R118,50
3.	R19,00	R742,50	R628,20	R199,80	R171,30	R142,80
4.	R23,00	R892,80	R755,60	R240,40	R206,10	R171,70
5.	R26,50	R1033,50	R874,60	R278,40	R238,50	R198,70
6.	R29,00	R1116,10	R944,30	R300,50	R257,50	R213,60
7.	R31,30	R1218,00	R1030,60	R327,90	R281,10	R234,30
8.	R33,60	R1310,20	R1108,60	R352,70	R302,40	R252,00

[Adapted from [www.joburg.org.za/2021-2022/TARIFFS/Bus](http://www.joburg.org.za/2021-2022/TARIFFS/Bus)]

Use the information above to answer the questions that follow.

- 2.2.1 Define “tariff” according to the given context. (2)
- 2.2.2 Calculate the cost for a return fare, paid in cash to a destination in Stage 7. (2)
- 2.2.3 Mr Ntuli will be working at a destination in Stage 2 for six days. Calculate what the total cost of the return trips will be if he pays cash fare. (3)

2.2.4 Mr Ntuli would like to compare the costs in 2.2.3 and what he would pay for a 12-trip monthly card. On the same set of axes, draw the graph showing the scenarios for six days that can assist Mr Ntuli to make the right decision. (5)

2.2.5 Use your graph in 2.2.4 to answer the following questions:

(a) After a minimum of how many days will it be cheaper for Mr Ntuli to buy a 12-trip monthly card? (2)

(b) Which option will be cheaper for Mr Ntuli? (2)

**[30]**

## QUESTION 3

3.1

The economically active population of South Africa is shown in TABLE 1 below for the 3<sup>rd</sup> quarter of 2021.

	<b>Black African</b>	<b>Coloured</b>	<b>Indian/Asian</b>	<b>White</b>	<b>Total</b>
	<b>Thousand</b>	<b>Thousand</b>	<b>Thousand</b>	<b>Thousand</b>	<b>Thousand</b>
<b>Both genders</b>	<b>10 698</b>	<b>1 391</b>	<b>445</b>	<b>1 747</b>	<b>14 281</b>
Manager	623	93	93	533	1 342
Professional	473	93	49	330	946
Technician	753	149	69	264	1 235
Clerk	919	172	57	262	1 411
Sales and services	1 813	176	74	86	2 149
Skilled agriculture	41	2	4	15	<b>A</b>
Craft and related trade	1 191	145	42	148	1 526
Plant machine operator	1 057	84	30	48	1 219
Elementary	3 037	414	23	60	3 534
Domestic worker	791	62	3	0	856

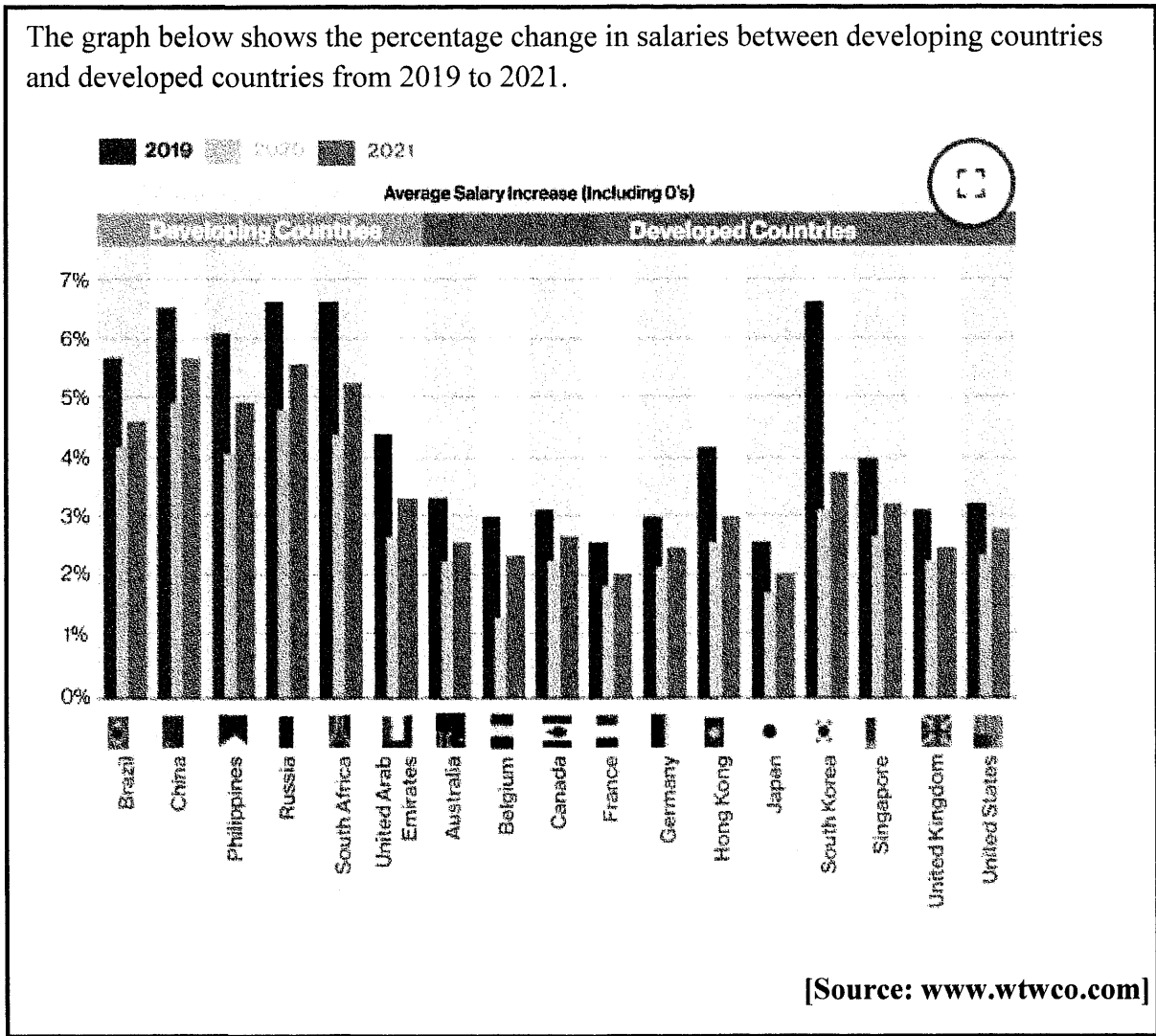
[Adapted [www.statssa.gov.za](http://www.statssa.gov.za)]

Study TABLE 1 above and answer the questions that follow.

- 3.1.1 Determine the total number of people actively employed in South Africa. (3)
- 3.1.2 Determine the median for the Black African population. (3)
- 3.1.3 Now determine the average for the Black African population. (3)
- 3.1.4 Which measure of central tendency is a better representation of the data: mean or median? Give a reason for your answer. (3)
- 3.1.5 The range for Total actively employed population is 3 471 000. Determine **A**, the lowest number of skilled agricultural workers. (3)

3.2

The graph below shows the percentage change in salaries between developing countries and developed countries from 2019 to 2021.



Study the graph above and answer the questions that follow.

- 3.2.1 Which year showed the biggest percentage change in salaries in both developing and developed countries? (2)
- 3.2.2 Describe the general trend in the percentage change in salaries from 2019 to 2020. (2)
- 3.2.3 Calculate the average percentage change in salaries for South Africa from 2019 to 2021. (3)

[22]



## QUESTION 4

4.1

Thabo is a 45-year-old businessman. His monthly taxable income is R39 500.  
Thabo belongs to a medical aid fund.

TABLE 2 below indicates rates of tax for individuals for the Tax year 2021/2022

**TABLE 2: 2021/22 TAX YEAR (1 MARCH 2021 - 28 FEBRUARY 2022)**

TAX BRACKET	TAXABLE INCOME (R)	RATES OF TAX (R)
1	1 – 216 200	18% of taxable income
2	216 201 – 337 800	38 916 + 26% of taxable income above 216 200
3	337 801 – 467 500	70 532 + 31% of taxable income above 337 800
4	467 501 – 613 600	110 739 + 36% of taxable income above 467 500
5	613 601 – 782 200	163 335 + 39% of taxable income above 613 600
6	782 201 – 1 656 600	229 089 + 41% of taxable income above 782 200
7	782 201 – 1 656 600	229 089 + 41% of taxable income above 782 200

**TAX REBATES**

Tax Rebate	2022
Primary	R15 714
Secondary (65 and older)	R8 613
Tertiary (75 and older)	R2 871

**MEDICAL AID CREDIT**

Per Month	
	2022
For the taxpayer	R332
For the taxpayer and one dependant	R664
For each additional dependant	R224

[Adapted from:www.sars.gov.za]

Use TABLE 2 above to answer the questions that follow.

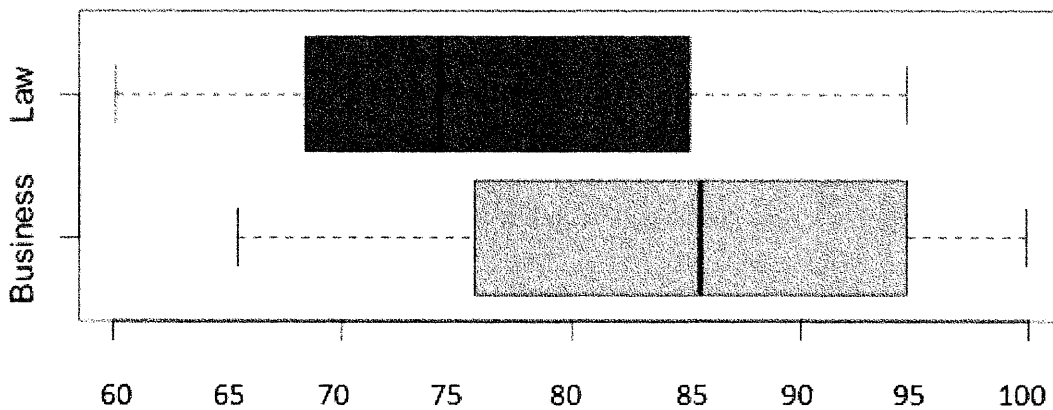
4.1.1 Determine Thabo's annual taxable income. (2)

4.1.2 Hence, calculate Thabo's monthly income tax paid to SARS. (8)

4.2

The box and whisker plot below shows the monthly salary in the Law and the Business fields.

**Box and Whisker Plot of Salaries in thousands of Rands**



[Source: [www.statsstackexchange.com](http://www.statsstackexchange.com)]

Use the information above to answer the following questions:

4.2.1 Determine the difference in the median salaries of the Law and the Business fields. (3)

4.2.2 Calculate the inter quartile range for the Business field

You may use the formula:

$$\text{IQR} = \text{Q3} - \text{Q1} \quad (3)$$

4.2.3 A statement was made that 75% of people in the Law field earn a salary less than 50% in the Business field.

Verify if this statement is CORRECT, showing all calculations. (3)



4.3

A total amount of R248,8 billion was allocated to the Health Sector in the 2022 Budget Speech. TABLE 3 below shows the funding of the Covid -19 vaccine rollout budget plan.

**TABLE 3: FUNDING OF THE COVID-19 VACCINE ROLLOUT BUDGET**

**Funding vaccine rollout**

R million	2021/22	2022/23	2023/24	Total	Funding mechanism
	<b>Medium-term estimates</b>				
Department of Health	4 350	2 100	-	6 450	Main budget
Provincial departments of health	1 500	900	-	2 400	HIV, TB, malaria and community outreach grant
South African Medical Research Council	100	-	-	100	Department of Health
Government Communication and Information System	50	-	-	50	Main budget
<b>Total allocated</b>	<b>6 000</b>	<b>3 000</b>	<b>-</b>	<b>9 000</b>	
Additional potential funding				<b>9 000</b>	Contingency reserve and emergency allocations

Source: National Treasury

Use the information in TABLE 3 above to answer the following questions:

4.3.1 Determine the decrease, as a number, in the Total Allocated from 2021/22 to 2022/23.

Give a reason for this decrease. (3)

4.3.2 A statement was made that the vaccine rollout funding was less than 1% of the total budget allocation for Health Sector in 2022.

Verify if this statement is CORRECT, showing all calculations. (3)

4.3.3 17,6 million people were vaccinated in South Africa. This was 29,7% of the total population. Determine the total population.

(3)  
[28]

**TOTAL: [100]**



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**ADDENDUM**

**COMMON TEST**

**MARCH 2022**

**This Addendum consists of 3 pages with 1 Annexure and 1 Answer Sheet.**

ANNEXURE A

QUESTION 2.1

**CREDIT CARD STATEMENT OF MR D NTULI**

<b>CROXLEY BANK LTD</b>		<b>Card Division</b>			
Mr D Ntuli 25 Stephen Offer Street Eshowe 3815		P O Box 397 Eshowe 3815			
		Platinum Credit Card			
		Account Number: 2010**** *4558			
<b>Statement Details</b>					
		Statement Date		25 Jan. 2022	
		Statement Period		25 Dec. 2022 to 25 Jan. 2022	
		Statement Frequency		Monthly	
		Statement Number		28	
<b>Payment Information</b>					
		Total amount outstanding on this statement		27 983,43	
		Minimum payment due		908,37	
		Payment due date		23 Jan. 2022	
		Credit limit		60 500,00	
		Available money to spend		32 516,00	
<b>Account Summary</b>					
		Balance brought forward		-50,41	
		Payments and credits		500,00	
		Purchases and debits		28 688,67	
		Closing balance		28 135,76	
<b>VAT Summary</b>					
		Total charged excluding VAT		6,96	
		Total VAT		1,04	
		Total charged including VAT		8,00	
<b>Transaction details</b>					
<b>Date</b>	<b>Description</b>	<b>Amount</b>	<b>Date</b>	<b>Description</b>	<b>Amount</b>
25 Dec. 21	Balance brought forward	-50,41			
<b>Credits</b>			<b>Credits</b>		
3 Jan. 22	Fund transfer	-500,00	25 Jan. 22	Credit interest	-2,50
<b>Debits</b>			<b>Debits</b>		
3 Jan. 22	ATM withdrawal	350,00	11 Jan. 22	D W Travel	18 503,49
3 Jan. 22	ATM withdrawal fee	8,00	11 Jan. 22	Crocs Hotel	9 827,18
<b>Closing balance</b>					<b>28 135,76</b>

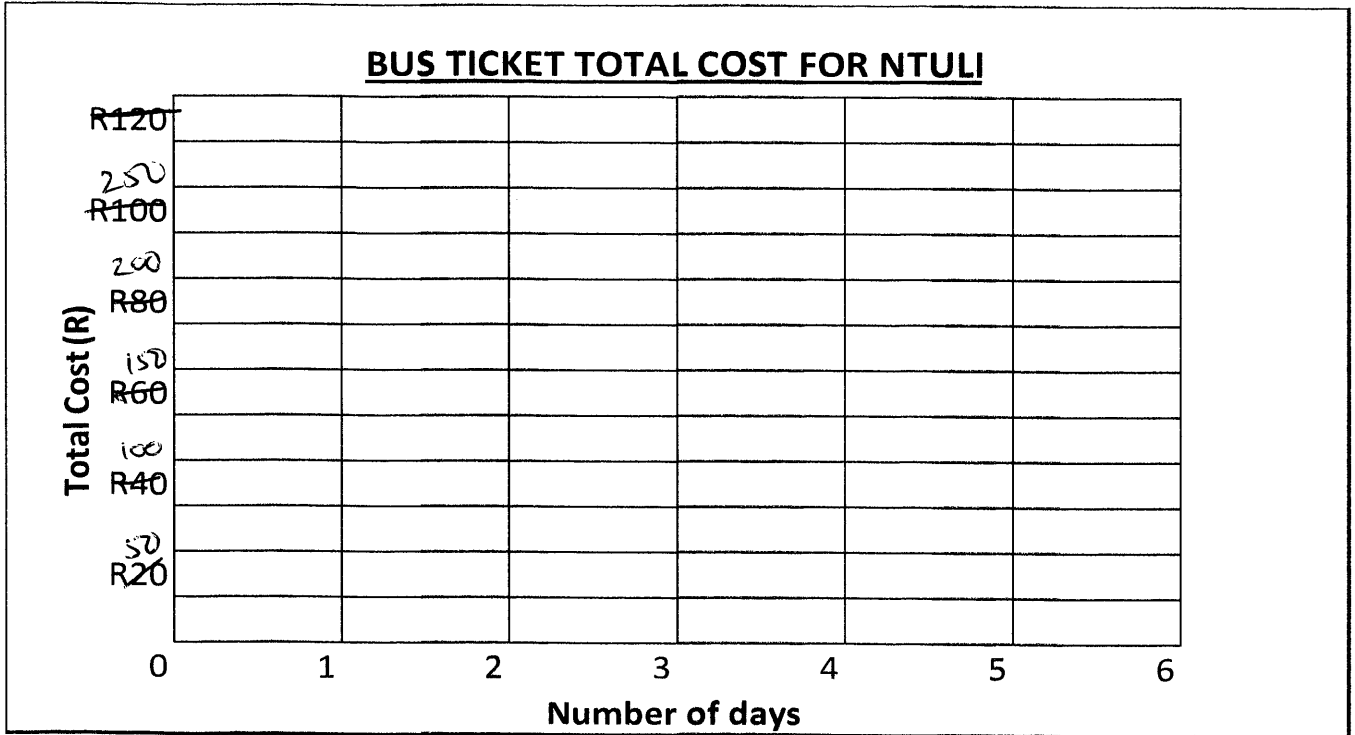
[Adapted from [www.croxleybank.com](http://www.croxleybank.com)]

NOTE: Up to 55 interest free days when you pay your balance in full.

ANSWER SHEET

NAME OF LEARNER: \_\_\_\_\_ GRADE 12 \_\_\_\_\_

QUESTION 2.2.4





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**MARKING GUIDELINE**

**MARCH 2022**

**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

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

<b>QUESTION 1 [20 MARKS]</b>			
<b>No.</b>	<b>Solution</b>	<b>Explanation</b>	<b>T&amp;L</b>
1.1.1	It is the takkie price that has highest frequency✓✓A	2A correct definition (2)	D L1
1.1.2	R1 600; R1 600; R1 500; R1 400; R1 400; R1 400; R1 300; R1 300; R999✓✓A	2A descending order (2)	D L1
1.1.3	Range = R1600 – R999✓MA = R601✓A	1MA concept of range 1A correct answer (2)	D L1
1.1.4	Summarising data✓✓A  <b>OR</b>  Interpreting or Analysing data✓✓A	2A correct answer (2)	D L1
1.1.5	Categorical✓✓A	2A correct answer (2)	D L1
1.2.1	R2 405,67✓✓A	2A correct answer (2)	F L1
1.2.2	R8 690,50✓✓RT	2RT correct answer (2)	F L1
1.2.3	Total = R615,50 + R110,25 + R309,80✓MA = R1 035,55✓CA	1MA for adding CA answer (2) <b>AO</b>	F L1
1.2.4	X = R6 530,58 + R309,80 = R6 840,38✓A  Y = R6 840,38✓CA  	1A for the value of X  <b>CA from X</b> 1CA for the value of Y (2) <b>AO</b>	F L1
1.2.5	R480,00✓✓RT	2RT correct answer (2)	F L1
		<b>[20]</b>	



<b>QUESTION 2 [30 MARKS]</b>			
2.1.1	Mr Ntuli overpaid by R50,41✓✓0 <b>OR</b> The bank owes Mr Ntuli R50,41✓✓0	2O explanation  (2)	F L1
2.1.2	To protect the client from being a victim of fraud✓✓0 <b>OR</b> Protection of personal information✓✓0	2O reason  (2)	F L4
2.1.3	Fees = $R2 \times (R350 \div R100)$ ✓M = $R2 \times 3,5$ = $R2 \times 4$ = R8,00✓A The correct fee was charged✓0	1M dividing by R100 3,5 rounded up to 4 1A answer 1O opinion  (3)	F L4
2.1.4	Total Credit = $R500,00 + R50,41 + R2,50$ ✓MA = R552,91✓A <b>OR</b> Total Credit = $-R500,00 + (-R50,41) + (-2,50)$ ✓MA = -R552,91✓A  Total Debit = $R350,00 + R18\,503,49 + R8,00 + R9\,827,18$ ✓M = R28 688,67✓A  Closing Balance = $R28\,688,67 - R552,91$ ✓M = R28 135,76	1MA for adding 1A answer  1MA for adding 1A answer  1M for adding 1A answer  1M subtracting R552,91  (5)	F L3
2.1.5	Higher interest if the total outstanding is not paid in full within the 55 interest free days✓✓0 <b>OR</b> Creating a bad credit rating if he fails to honour the payment agreement✓✓0	2O disadvantage  2O disadvantage  (2)	F L4
2.2.1	It is the rate of charge for using Metro bus by customers. ✓✓A	2A explanation  (2)	F L1
2.2.2	Return fare = $2 \times R31,30$ ✓M = R62,60✓A	1M multiplying by 2 1A answer  (2)	F L2

2.2.3	<p>Return trip for Stage 2 = <math>R15,90 \times 2</math>  <math>= R31,80 \checkmark A</math></p> <p>Total Cost = <math>6 \times R31,80 \checkmark M</math>  <math>= R190,80 \checkmark CA</math></p>	<p>1A R31,80                  1M multiplying by 6                  1CA answer                  (3)</p>	<p>F                  L2</p>																					
2.2.4	<p style="text-align: center;"><b>STAGE 2 CASH FARE VS 12-TRIP MONTHLY FARE</b> ✓</p> <table border="1"> <caption>Data points from the graph</caption> <thead> <tr> <th>Number of Days</th> <th>Stage 2 Cash Fare (R)</th> <th>Stage 2 12-Trip Monthly Fare (R)</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>31,8</td> <td>142,3</td> </tr> <tr> <td>2</td> <td>63,6</td> <td>142,3</td> </tr> <tr> <td>3</td> <td>95,4</td> <td>142,3</td> </tr> <tr> <td>4</td> <td>127,2</td> <td>142,3</td> </tr> <tr> <td>5</td> <td>159</td> <td>142,3</td> </tr> <tr> <td>6</td> <td>190,8</td> <td>142,3</td> </tr> </tbody> </table>	Number of Days	Stage 2 Cash Fare (R)	Stage 2 12-Trip Monthly Fare (R)	1	31,8	142,3	2	63,6	142,3	3	95,4	142,3	4	127,2	142,3	5	159	142,3	6	190,8	142,3	<p>2A cash fare line                  2A 12-trip monthly                  1A Graph title                  (5)</p>	<p>F                  L3</p>
Number of Days	Stage 2 Cash Fare (R)	Stage 2 12-Trip Monthly Fare (R)																						
1	31,8	142,3																						
2	63,6	142,3																						
3	95,4	142,3																						
4	127,2	142,3																						
5	159	142,3																						
6	190,8	142,3																						
2.2.5	<p>(a) After 4 days ✓✓RG</p>	<p>2RG reading from graph                  (2)</p>	<p>F                  L1</p>																					
	<p>(b) The 12 – trip monthly fare eventually works out cheaper ✓✓0</p>	<p>2O opinion                  (2)</p>	<p>F                  L4</p>																					
		<p><b>[30]</b></p>																						

QUESTION 3 [22 MARKS]			
3.1.1	$\begin{aligned} \text{Total number of People} &= 14\,281 \times 1000 \\ &= 14\,281\,000 \end{aligned}$	1RT correct value 1MA multiplying by 1000 1A answer (3)	DH L2
3.1.2	$\begin{aligned} \text{Median} &= 41, 473, 623, 753, 791, 919, 1\,057, 1\,191, 1\,813, 3\,037 \\ &= (791+919) \div 2 \\ &= 855\,000 \end{aligned}$	1A arranging in order 1MA dividing by 2 1CA answer (3)	DH L2
3.1.3	$\begin{aligned} \text{Average} &= 10\,698 \div 10 \\ &= 1069,8 \\ &= 1\,069\,800 \end{aligned}$ <p style="text-align: center;"><b>OR</b></p> $\begin{aligned} \text{Average} &= \frac{623+473+753+919+1\,813+41+1\,191+1\,057+3\,037+791}{10} \\ &= \frac{10\,698}{10} \\ &= 1\,069,8 \\ &= 1\,069\,800 \end{aligned}$	1RT correct answer 1MA dividing by 10 1CA answer in thousands  1M adding values 1MA dividing by 10 1CA answer in thousands (3)	DH L3
3.1.4	Median It is not affected by the outlier.	1O opinion 2O explanation (3)	DH L4
3.1.5	$\begin{aligned} 3\,471 &= 3\,534 - A \\ A &= 3\,534 - 3\,471 \\ &= 63 \end{aligned}$ <p style="text-align: center;"><b>OR</b></p> $\begin{aligned} 3\,471\,000 &= 3\,534\,000 - A \\ A &= 3\,534\,000 - 3\,471\,000 \\ &= 63\,000 \end{aligned}$	1MA Concept of range 1M simplification 1CA answer  1MA Concept of range 1M simplification 1CA answer <b>Accept 62</b> (3)	DH L4
3.2.1	2019	2RG correct year (2)	DH L2
3.2.2	Decrease from 2019 to 2020	2O explanation (2)	DH L2



3.2.3	$\text{Average} = \frac{6,5 + 4,3 + 5,2}{3} \checkmark \text{RG} \checkmark \text{M}$ $= 5,3\% \checkmark \text{CA}$	1RG adding values 1M dividing by 3 1CA average  Accept leeway of  <b>2019(6,5% to 6,8%)</b> <b>2020(4,3% to 4,5%)</b> <b>2021(5,2% to 5,4%)</b>	DH L2  (3)
			<b>[22]</b>

**QUESTION 4 [28MARKS]**

<b>Q</b>	<b>Solution</b>	<b>Explanation</b>	<b>T &amp; L</b>
4.1.1	Annual taxable income = $R39\,500 \times 12$ ✓MA = $R474\,000$ ✓A	1MA multiplying by 12 1A correct value (2)	F L2
4.1.2	✓A Annual tax = $R110\,739 + 0,36 (R474\,000 - 467\,500)$ ✓SF = $R113\,079$ ✓CA Less Rebate = $R113\,079 - (R15\,714)$ ✓MCA = $R97\,365$ ✓CA Less Medical Aid credit = $R97\,365 - (R332 \times 12)$ ✓MCA = $R93\,381$ Monthly tax = $R93\,381 \div 12$ ✓MA = $R7\,781,75$ ✓CA	1A correct tax bracket 1SF annual taxable income 1CA simplification 1MCA subtracting rebate 1CA simplification  1MCA subtracting medical credit for the year 1MA dividing by 12 1CA answer (8)	F L3
4.2.1	Difference in median salaries = $R85\,000 - R74\,000$ ✓RG ✓M = $R11\,000$ ✓A	1RG reading correct value 1M subtracting 1A answer (3)  <b>Accept leeway of 2</b>	DH L2
4.2.2	IQR = $95 - 76$ ✓RG ✓SF = $R19\,000$ ✓CA	1RG correct values 1SF substitution 1CA answer (3)  <b>Accept leeway of 75 to 77</b>	DH L3
4.2.3	Q <sub>3</sub> of Law = $84\,000$ ✓RG Q <sub>2</sub> of Business = $85\,000$ ✓RG The statement is CORRECT. ✓O	1RG correct value 1RG correct value 1O opinion (3)  <b>Accept leeway of 2</b>	DH L4
4.3.1	Decrease = $6\,000 - 3\,000$ ✓MA = $3\,000$ million or $3\,000\,000\,000$ or $3$ billion ✓A  Most of the population received the vaccine ✓O  <b>OR</b>  Any valid reason.	1 MA subtracting correct values 1A correct answer  1O opinion (3)	F L3

4.3.2	<p>Percentage of total budget = <math>\frac{3bn}{248,8bn} \times 100 \checkmark MA</math>  <math>= 1,21\% \checkmark A</math></p> <p>Statement is INCORRECT <math>\checkmark O</math></p>	<p>1MA dividing correct values                  1A correct answer                  1O opinion                  (3)  <b>Accept 2,41%</b></p>	<p>F L3</p>
4.3.3	<p>Total population = <math>(17\ 600\ 000 \times 100) \div 29,7 \checkmark MA \checkmark MA</math>  <math>= 59\ 259\ 259,26</math>  <math>= 59\ 259\ 259 \checkmark A</math></p> <p><b>OR</b></p> <p>Unvaccinated = <math>\frac{17\ 600\ 000 \times 70,3}{29,7} \checkmark MA</math>  <math>= 41\ 659\ 259,26</math></p> <p>Total population = <math>41\ 659\ 259,26 + 17\ 600\ 000 \checkmark MA</math>  <math>= 59\ 259\ 259,26</math>  <math>= 59\ 259\ 259 \checkmark A</math></p>	<p>1MA multiplying by 100                  1MA dividing by 29,7                  1A correct answer                    1MA multiplying by 70,3                  and dividing by 29,7                    1MA adding                    1A correct answer                  (3)</p>	<p>F L3</p>
			<p>[28]</p>
		<p><b>TOTAL 100 MARKS</b></p>	