



education

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NORTH WEST PROVINCE

GRADE 12

MATHEMATICAL LITERACY P1/ WISKUNDIGE GELETTERDHEID V1

SEPTEMBER 2021

MARKING GUIDELINES/NASIENRIGLYNE

MARKS/PUNTE: 150

Symbol/Kode	Explanation/Verduideliking
M	Method/Metode
MA	Method with accuracy/Metode met akkuraatheid
CA	Consistent accuracy/Volgehoue akkuraatheid
A	Accuracy/Akkuraatheid
C	Conversion/Herleiding
S	simplification/Vereenvoudiging
RT/RG	Read from table/graph/document/diagram/Lees vanaf tabel/grafiek/document/diagram
SF	Correct substitution in a formula/Korrekte vervanging in 'n formule
O	Opinion/Explanation/Opinie/Verduideliking
P	Penalty e.g. for no units, incorrect rounding off, etc/Penalisasie, bv. Vir geen eenhede, verkeerde afronding, ens.
R	Rounding off/Afronding
NPR	No penalty for rounding/Geen penalisasie vir afronding nie
AO	Answer only/Slegs antwoord
MCA	Method with consistent accuracy/Metode met volgehoue akkuraatheid
RCA	Rounding with consistent accuracy/Afronding met volgehoue akkuraatheid

Vjku" o ctmkpi" i wk fgnkpg"eqpukuvu"qh"34"rc igul Jkgt fkg"pcukgptki n{pg"dguvccp"wkv"34"dnc f {g}

PQVG<

- 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. NO CA MARK AFTER A BREAKDOWN.
- If the candidate presents any extra solution when reading from a graph, table, layout plan and map, then penalize for every extra item presented.
- The general principle of marking is that if a candidate makes one mistake and there is sound mathematics thereafter, the candidate loses one mark.

LET WEL:

- *As 'n kandidaat 'n vraag TWEE KEER beantwoord, sien slegs die EERSTE poging na.*
- *As 'n kandidaat 'n antwoord van die vraag doodtrek (kanselleer) en nie oordoen nie, sien die doodgetrekte (gekanselleerde) poging na.*
- *Volgehoue akkuraatheid (CA) word in ALLE aspekte van die nasienriglyne toegepas, dit hou by die tweede berekeningsfout op. GEEN CA PUNT NA FOUTIEWE BEWERKING.*
- *Wanneer 'n kandidaat aflesings vanaf 'n grafiek, tabel, uitlegplan en kaart geneem en ekstra antwoorde gee, penaliseer vir elke ekstra item.*
- *Die algemene beginsel van merk is as 'n leerder een fout maak verloor die leerder een punt.*

QUESTION/VRAAG 1 [30 MARKS/PUNTE] AO			
Q/V	Solution/Oplissing	Explanation/Verduideliking	T&L
1.1.1	✓MA $A = 5 \times 9 = R45$ ✓A	1MA divide by 9 1A answer (2)	F L1
1.1.2	✓MA $B = 12 \div 0,50 = R24$ ✓A	1MA dividing by 0.50 1A answer (2)	F L1
1.1.3	$C = 5 + 1 + 0,50 + 0,25 + 8$ ✓MA $= R14,75$ ✓A	1MA adding correct values 1A answer (2)	F L1
1.1.4	✓M ✓M $R35,00 \times 580$ R20 300 ✓CA	1M correct value 1M multiply by 580 1CA Simplification (3)	F L1

Q/V	Solution/Oplissing	Explanation/Verduideliking	T&L
1.1.5	$R20\ 300 \times 15\% = R3\ 045 \checkmark MA$ $R20\ 300 - R3\ 045 \checkmark MCA$ $= R17\ 255 \checkmark CA$ <p style="text-align: center;">OR/OF</p> $100\% - 15\% = 85\% \checkmark MA$ $R20\ 300 \times 85\% \checkmark MCA$ $= R17\ 255 \checkmark CA$ <p style="text-align: center;">OR/OF</p> $R35 \times 15\% = R5,25$ $R\ 5,25 \times 580 = R3\ 045 \checkmark MA$ $R20\ 300 - R3\ 045 \checkmark MCA$ $= R17\ 255 \checkmark CA$	1MA multiply by 15% 1MCA subtracting R3 045 1CA answer <p style="text-align: center;">OR/OF</p> MA subtracting 15% 1MCA multiply by 85% 1CA answer <p style="text-align: center;">OR/OF</p> 1MA multiply R35 by 15% by 580 1MCA subtracting R3 045 1CA answer (3)	F L1
1.1.6	$580 \div 9 = 64,44 \checkmark MA$ ≈ 65 meters of material $\checkmark CA$	1MA dividing by 9 1CA answer rounded up (2)	F L1
1.1.7	$\checkmark MCA$ $R14,75 \times 580 = R8\ 555$ $R17\ 255 - R8\ 555 \checkmark MCA$ $= R8\ 700 \checkmark CA$ <p style="text-align: center;">OR/OF</p> Profit (one mask) = Income – Expenses $= R35 - (35 \times 15\%) - R14,75$ $= R29,75 - R14,75 \checkmark MCA$ $= R15$ For 580 = $R15 \times 580 \checkmark MCA$ $= R8\ 700 \checkmark CA$	(CA from 1.1.3 and 1.1.5) 1MCA unit price multiply with 580 1MCA subtract R8 555 1CA answer <p style="text-align: center;">OR/OF</p> 1MCA Income subtract expenses 1MCA unit price multiply by 580 1CA answer (3)	F L1
1.2.1	9053; 6493; 5737; 1075; 258; 220; 198; 150; 89 $\checkmark \checkmark A$	1A correct values 1A descending order (2)	D L1
1.2.2	Western Cape/Wes Kaap $\checkmark \checkmark A$	2A answer (2)	D L1
1.2.3	$\checkmark RT$ $22\ 580 - 584 \checkmark M$ $= 21\ 996 \checkmark A$	1RT correct values 1M subtracting values 1A answer (3)	D L1
1.2.4	Total deaths/Aantal sterftes $A = 66 + 140 + 444 + 35 + 2 + 2 + 2 + 6 + 0 \checkmark MA$ $= 697 \checkmark A$	1MA adding correct values 1A answer (2)	D L1

Q/V	Solution/Oplissing	Explanation/Verduideliking	T&L
1.2.5	Percentage recoveries/ <i>Persentasie herstel</i> $B = \frac{9\ 053}{23\ 273} \times 100\% \checkmark MA$ $= 38,9\% \checkmark A$ OR/OF $B = 100 - (24,65 + 27,9 + 4,62 + 1,11 + 0,64 + 0,95 + 0,85 + 0,38) \checkmark M$ $= 100 - 61,10$ $= 38,9\% \checkmark A$	1MA correct values divided and multiplied by 100% 1A answer OR/OF 1M subtracting percentages from 100 1A answer (2)	D L1
1.2.6	3 383 $\checkmark \checkmark A$	2A answer (2)	D L1
[30]			
QUESTION/VRAAG 2 [44 MARKS/PUNTE]			
Q/V	Solution/Oplissing	Explanation/Verduideliking	T&L
2.1.1	Yen $\checkmark \checkmark A$	2A answer (2)	F L1
2.1.2	Two hundred and ninety-two million three hundred and eighteen thousand four hundred and sixty rand/ <i>Twee honderd twee en negentig miljoen driehonderd en agtien duisend en vier honderd en sestig rand</i> $\checkmark \checkmark A$	2A answer (2)	F L1
2.1.3	To have a more accurate value, especially when it is a large amount of money/ <i>Om 'n meer akkurate waarde te bereken veral as dit 'n groot bedrag is</i> $\checkmark \checkmark A$	2A answer (2)	F L1
2.1.4	Amount to be spent on ventilators/ <i>Bedrag nodig om op ventilators te spandeer</i> $\checkmark M$ $R292\ 318\ 460 \times \frac{4}{7} \checkmark MA$ $= R167\ 039\ 120 \checkmark CA$	1M correct values 1MA multiplying with $\frac{4}{7}$ 1CA answer (3)	F L2
2.2.1	USA: $10\ 000\$ \times \checkmark MA$ $= R177\ 645,90 \checkmark A$ Italy: $8\ 583,59\text{€} \times 20,87989 \checkmark MA$ $= R179\ 224,42 \checkmark A$ Japan: $1\ 065\ 847,24\text{¥} \times 0,16719 \checkmark MA$ $= R178\ 199 \checkmark A \quad \checkmark O$ The statement is NOT correct, it cost less in the USA/ <i>Dit is NIE korrek, dit kos minder in USA</i> $\checkmark R$	1MA multiply by 17,76459 1A answer 1MA multiply by 20,87989 1A answer 1MA multiply by 0,16719 1A answer 1O NOT correct 1R reason less in USA (8)	F L4

Q/V	Solution/Oplissing	Explanation/Verduideliking	T&L
2.2.2	<p>New price in 2023/<i>Nuwe prys in 2023</i></p> $8583,59 \text{ €} \times 109,63\% \checkmark M$ $= 9\,410,189717 \checkmark A$ $9\,410,189717 \times 109,63\% \checkmark M$ $= 10\,316,39099 \text{ €}$ $\approx 10\,316,39 \text{ €} \checkmark A$ <p style="text-align: center;">OR/OF</p> $8583,59 \text{ €} \times 9,63\% \checkmark M$ $= 826,599717$ $826,599717 + 8583,59 \text{ €} \checkmark MA$ $= 9\,410,189717$ $9\,410,189717 \times 9,63\% \checkmark M$ $= 906,2012697$ $906,2012697 + 9\,410,189717$ $\approx 10\,316,39 \text{ €} \checkmark A$	<p>1M multiplying by 109,63%</p> <p>1A simplification</p> <p>1M multiplying new value by 109,63%</p> <p>1A answer rounded to 2 decimals</p> <p>1M multiplying by 9,63%</p> <p>1MA adding to principal amount</p> <p>1M multiplying new value by 9,63%</p> <p>1A answer rounded to 2 decimals (4)</p>	F L2
2.3.1	$R1\,202\,050 + R1\,203\,708 + R1\,198\,236 \checkmark MA$ $= R3\,603\,994 \checkmark CA$	<p>1RT correct values</p> <p>1MA adding the correct values</p> <p>1CA answer (3)</p>	F L1
2.3.2	$R16\,580 \div 10 = R1\,658 \checkmark A$ $R1\,658 \times 736 \checkmark MA$	<p>1MA divided by 10</p> <p>1A answer</p> <p>1MA multiplying by 736 (3)</p>	F L2
2.3.3	<p>Percentage difference/<i>Persentasie verskil</i></p> $= \frac{R11\,507\,508 - R11\,943\,582}{R11\,943\,582} \times 100\% \checkmark MA$ $= -3,65\% \checkmark A$	<p>1RT correct values</p> <p>1MA multiplying by 100</p> <p>1A negative answer (3)</p>	F L2
2.3.4	$R1\,658 \times 7\,275 \checkmark MCA$ $= R12\,061\,950 \checkmark S$ $R12\,061\,950 - R11\,507\,508 \checkmark MA$ $= R554\,442 \checkmark A$	<p>CA from Q 2.3.2</p> <p>1MCA multiplying correct values</p> <p>1S simplification</p> <p>1MA subtracting correct value from R12 061 950</p> <p>1A answer (4)</p>	F L2

Q/V	Solution/Oplissing	Explanation/Verduideliking	T&L
2.3.5	<p>Predicted amount/<i>Voorspelde bedrag</i> $R1\ 658 \times 721$ $= R1\ 195\ 418 \checkmark A$</p> <p>Percentage received/<i>Persentasie ontvang</i> $\checkmark MA$ $\frac{1\ 061\ 531}{1\ 195\ 418} \times 100\% \checkmark MA$ $= 88,79998\% \approx 88,8\% \checkmark A$</p> <p>Percentage less received/<i>Persentasie minder ontvang</i> $100\% - 88,8\% = 11,2\% \checkmark A$ $\checkmark CA$</p> <p>Her prediction was incorrect, they received 11,2% less/<i>Haar voorspelling is verkeerd, hulle ontvang 11,2% minder</i></p>	<p>1A amount predicted</p> <p>1MA dividing actual amount with predicted amount 1MA multiplied by 100% 1A answer</p> <p>1A percentage NOT received</p> <p>1CA conclusion</p> <p>(6)</p>	<p>F L4</p>
2.3.6	<p>$\checkmark \checkmark A$</p> <p>In 2020 the number of learners decreased due to covid-19 pandemic where many parents lost their jobs or received less income and could not pay school fees and/or some of the learners left school and started home schooling. $\checkmark \checkmark R$</p> <p>$\checkmark \checkmark A$</p> <p><i>In 2020 het die getal leerlinge afgeneem agv die covid-19 pandemie waar baie ouers hulle werk verloor het asook leerlinge wat skool verlaat het om tuis studie te doen. $\checkmark \checkmark R$</i></p> <p>Any other relevant answer/ <i>Enige ander relevante antwoord</i></p>	<p>2A decreasing in 2020 2A reason</p> <p>(4)</p>	<p>F L4</p>
			[44]

QUESTION/VRAAG 3 [39 MARKS/PUNTE]			
Q/V	Solution/Oplissing	Explanation/Verduideliking	T&L
3.1.1	<p>A value that lies outside most of the other values in a specific set of data/'n Waarde lê buite die meeste waardes in 'n stel data ✓✓A Outlier/Uitskieter ~ 9 ✓✓A</p> <p>OR/OF</p> <p>An outlier is a number that is at least 2 standard deviations away from the mean/'n Uitskieter is 'n getal wat met ten minste 2 standaard afwykings weg is vanaf die gemiddeld. ✓✓A Outlier/Uitskieter ~ 9 ✓✓A</p>	<p>2A explanation 2A outlier 9</p> <p>(4)</p>	<p>D L2</p>
3.1.2	<p>IQR Term 1 = $Q_3 - Q_1$ ✓M = $25 - 18$ ✓MA = 7 ✓A</p> <p>IQR Term 3 = $19 - 5$ ✓MA = 14 ✓A</p> <p>Term 3 had the largest IQR /Termyn 3 het die grootste IKO ✓J</p>	<p>1M concept of IQR 1MA subtracting correct values 1A answer</p> <p>1MA subtracting correct values 1A answer term 3</p> <p>1A conclusion</p> <p>(6)</p>	<p>D L3</p>
3.1.3	<p>The learners performed much better in term 1 than in term 3/Die leeders het baie beter gevaar in termyn 1 as termyn 3. ✓✓A</p> <p>The range of term 1 is less than term 3 ✓✓A Die omvang van termyn 1 is minder as termyn 3</p> <p>OR/OF</p> <p>Term 3 has a bigger IQR than term 1 ✓✓A Termyn 3 se IKO is heelwat groter as termyn 1.</p> <p>OR/OF</p> <p>Term 1's Q_1 is 18 which is higher than term 3 which is 5/ Termyn 1 se K_1 is 18 wat heelwat hoer is as termyn 3 wat 5 is ✓✓A</p>	<p>2A performance dropped</p> <p>2A comparing the measures of central tendency</p> <p>(4)</p>	<p>D L4</p>
3.2.1	35,4 ✓✓A	2A answer	D L1
3.2.2	<p>Mode is the value that appears the most in a data set. ✓✓A <i>Modus is die waarde wat die meeste voorkom in 'n data stel.</i></p>	2A answer	D L2
3.2.3	<p>✓A 36,4 and 36,9 ✓A</p>	<p>1A 36,4 1A 36,9 answer</p> <p>(2)</p>	D L2

Q/V	Solution/Oplossing	Explanation/Verduideliking	T&L
3.2.4	35,4 ; 36 ; 37,5 ; 37,5 ; 37,7 ; 38 ; 38,3 ✓MA Median: 37,5✓CA	1MA sort data in order 1A answer (2)	D L2
3.2.5	A - 36,4 = 2,7 ✓MA A = 36,4 + 2,7 ✓MA A = 39,1 ✓A	1A concept of range 1A adding values 1A answer AO (3)	D L3
3.2.6	$\text{Mean} = \frac{37,2 + 37,5 + B + 38,9 + 38,6 + B + 37,1}{7} \checkmark\text{MA}$ $= 37,87$ $\frac{2B + 189,3}{7} = 37,87$ $2B + 189,3 = 37,87 \times 7 \checkmark\text{MA}$ $2B + 189,3 = 265,09$ $2B = 265,09 - 189,3 \checkmark\text{MA}$ $2B = 75,79 \checkmark\text{MA}$ $B = 37,895$ $B \approx 37,9 \checkmark\text{CA}$	1MA concept of mean 1MA multiplying with 7 both sides 1MA subtracting 189,3 1MA dividing by 2 1CA answer to 1 decimal (5)	D L3
3.2.7	The learner is absent from the school/ <i>Die leerling is afwesig van die skool</i> ✓✓A OR/OF The learner probably is in isolation at home. Last temperature is very high/ <i>Die leerling is heel moontlik in isolasie tuis agv hoë temperatuur.</i> ✓✓A	2A answer (2)	D L4
3.2.8	$\frac{3}{9} \checkmark\text{A} = \frac{1}{3} \checkmark\text{A}$	1A fraction 1A simplest form (2)	P L2
3.2.9	✓A $\frac{4}{7} \times 100 \checkmark\text{A}$ $= 57,14$ $\approx 57 \checkmark\text{CA}$	1A correct fraction 1A multiplied by 100 1CA answer correctly rounded (3)	P L2
3.2.10	The percentage and fraction are easier to visualize compared to decimal/ <i>Die persentasie en breuk is makliker herkenbaar in vergelyking met desimale.</i> ✓✓A	2O opinion that is relevant and true (2)	P L4
			[39]

QUESTION/VRAAG 4 [37 MARKS/PUNTE]																							
Q/V	Solution/Oplissing	Explanation/Verduideliking	T&L																				
4.1.1	<p style="text-align: center;">COST OF LIVING WITH PERCENTAGES</p> <table border="1"> <caption>Data from Bar Chart: COST OF LIVING WITH PERCENTAGES</caption> <thead> <tr> <th>Category</th> <th>Percentage (%)</th> </tr> </thead> <tbody> <tr> <td>Transportation</td> <td>16.5%</td> </tr> <tr> <td>Food</td> <td>14%</td> </tr> <tr> <td>Housing</td> <td>35%</td> </tr> <tr> <td>Dept payments</td> <td>10%</td> </tr> <tr> <td>Personal & discretionary</td> <td>6%</td> </tr> <tr> <td>Savings</td> <td>6.50%</td> </tr> <tr> <td>Utilities</td> <td>5%</td> </tr> <tr> <td>Medical</td> <td>3%</td> </tr> <tr> <td>Outing</td> <td>4%</td> </tr> </tbody> </table> <p style="text-align: center;">COST OF LIVING / LEWENSKOSTE</p>	Category	Percentage (%)	Transportation	16.5%	Food	14%	Housing	35%	Dept payments	10%	Personal & discretionary	6%	Savings	6.50%	Utilities	5%	Medical	3%	Outing	4%		F L2
Category	Percentage (%)																						
Transportation	16.5%																						
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Utilities	5%																						
Medical	3%																						
Outing	4%																						
	<p>1A Transport & food / <i>Vervoer en voedsel</i> 1A Housing and Dept payments / <i>Behuising en departementele betalings</i> 1A Personal & Discretionary and Savings / <i>Persoonlik en diskresionêr</i> 1A Utilities, Medical and outing / <i>Nutsdienste, medies en uitstappies</i> 1A Labelling the x-axis / <i>Benoeming van x-as</i> 1A Histogram (no spaces between bars / <i>Geen spasie tussen kolomme</i> (6)</p>																						
4.1.2	<p>Salary per month/<i>Salaris per maand</i> Salary/<i>Salaris</i> × 35% = R9 782,50 ✓MA Salary/<i>Salaris</i> = R9 782,50 ÷ 35% ✓M Salary/<i>Salaris</i> = R27 950 ✓A</p>	<p>1MA correct equation 1M dividing by 35% 1A answer (3)</p>	F L3																				
4.2.1	<p>Plant management/<i>Aanlegbestuurder</i> ✓A R70 286 ✓A</p>	<p>1A answer occupation 1A answer salary (2)</p>	F L1																				
4.2.2	<p>R39 286 ✓✓A</p>	<p>1A answer (2)</p>	F L1																				
4.2.3	<p>✓MA R79 002 – R54 435 ✓MA = R24 567 ✓A</p>	<p>1MA correct values 1MA subtracting correct values 1A answer (3)</p>	F L1																				

Q/V	Solution/Oplissing	Explanation/Verduideliking	T&L
4.2.4	$R48\,875 \times 12 \checkmark MA$ $= R586\,764 \checkmark A$ Statement not correct/ Bewering nie korrek $\checkmark O$	1MA multiplying by 12 1A answer 1O conclusion (3)	F L2
4.3.1	Annual salary/ <i>Jaarlikse salaris</i> $R78\,264 \times 12 \checkmark MA$ $= R939\,168 \checkmark A$	1MA Multiplying correct salary by 12 1A answer (2)	F L1
4.3.2	R708 311 and above $\checkmark \checkmark A$	2A answer (Accept 708 311 – 1 500 000) (2)	F L1
4.3.3	South African Revenue Service/ <i>Suid Afrikaanse Inkomste dienste</i> $\checkmark \checkmark A$	2A answer (2)	F L1
4.3.4	Medical tax crediet/ <i>Mediese belasting krediet</i> $\checkmark MA$ $(2 \times R310) + (3 \times R209) \checkmark MA$ $R620 + R627$ $= R1\,247 \checkmark A$ $R1\,247 \times 12 = R14\,964 \checkmark A$	1MA multiplying 310 by 2 1MA multiplying 209 by 3 1A answer for adding 2 values 1A answer (4)	F L3
4.3.5	Monthly tax payable/ <i>Maandelikse belasting betaalbaar</i> $R78\,264 \times 108\% = R84\,525,12 \checkmark MA$ $R84\,525,12 - R6\,339,38$ (7,5% pension) $\checkmark MCA$ $= R78\,185,74$ $R78\,185,74 \times 12$ $= R938\,228,88$ (annual taxable income) $\checkmark MCA$ Bracket 6/ <i>Kategorie 6</i> $= 207\,448 + 41\% (938\,228,88 - 708\,310) \checkmark MCA$ $= 207\,448 + 41\% (229\,918,88)$ $= 207\,448 + 94\,266,74$ $\checkmark CA$ $= 301\,714,74 - 14\,220 - (1\,247 \times 12)$ Medical aid $\checkmark MA$ $= 301\,714,74 - 14\,220 - 14\,964 \checkmark MCA$ $= R272\,530,74 \div 12$ $= R22\,710,90 \checkmark CA$	1MA multiplying correct value with 108% 1MCA correct pension value subtracted 1MCA multiplying taxable income with 12 1MCA substitution of taxable income into bracket 6 1CA simplifying 1MA subtracting correct tax rebate 1MCA from 3.3.4 medical aid subtracted 1CA monthly tax deductible (8)	F L3
			[37]
TOTAL: 150			

TAXONOMY LEVELS: MATHEMATICAL LITERACY PAPER 1

September 2021

QUESTION	Finance	Data Handling	Probability	TL 1	TL 2	TL 3	TL 4	Total
1.1.1	2			2				
1.1.2	2			2				
1.1.3	2			3				
1.1.4	3			2				
1.1.5	3			3				
1.1.6	2			2				
1.1.7	3			3				
1.2.1		2		2				
1.2.2		2		2				
1.2.3		3		3				
1.2.4		2		2				
1.2.5		2		2				
1.2.6		2		2				
TOTAL QUESTION 1	17	13		30				30
2.1.1	2			2				
2.1.2	2				2			
2.1.3	2					2		
2.1.4	3				3			
2.2.1	8						8	
2.2.2	4					4		
2.3.1	3			3				
2.3.2	3				3			
2.3.3	3				3			
2.3.4	4				4			
2.3.5	6						6	
2.3.6	4						4	
TOTAL QUESTION 2	44			5	15	6	18	44

QUESTION	Finance	Data Handling	Probability	TL 1	TL 2	TL 3	TL 4	Total
3.1.1		4			4			
3.1.2		6				6		
3.1.3		4					4	
3.2.1		2			2			
3.2.2		2		2				
3.2.3		2			2			
3.2.4		2			2			
3.2.5		3				3		
3.2.6		5				5		
3.2.7		2					2	
3.2.8			2		2			
3.2.9			3		3			
3.2.10			2				2	
TOTAL QUESTION 3		32	7	2	10	14	6	39
4.1.1		6			6			
4.1.2		3				3		
4.1.1	2			2				
4.2.2	2			2				
4.2.3	3				3			
4.2.4	3						3	
4.3.1	2			2				
4.3.2	2				2			
4.3.3	2			2				
4.3.4	4				4			
4.3.5	8					8		
TOTAL QUESTION 4	28	9		8	20	11	5	37
TOTAL	89	54	7	45	45	31	29	
%	59.3%	36%	4.7%	30%	30%	20.7%	19.3%	
EXAM GUIDELINE	90	52.5	7.5	45	45	30	30	
%	60%	35%	5%	30%	30%	20%	20%	