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KWAZULU-NATAL PROVINCE
EDUCATION
REPUBLIC OF SOUTH AFRICA

NATIONAL SENIOR CERTIFICATE

GRADE 10

MATHEMATICAL LITERACY

ADDENDUM

COMMON TEST

JUNE 2022

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This addendum consists of 2 pages with 1 annexure.

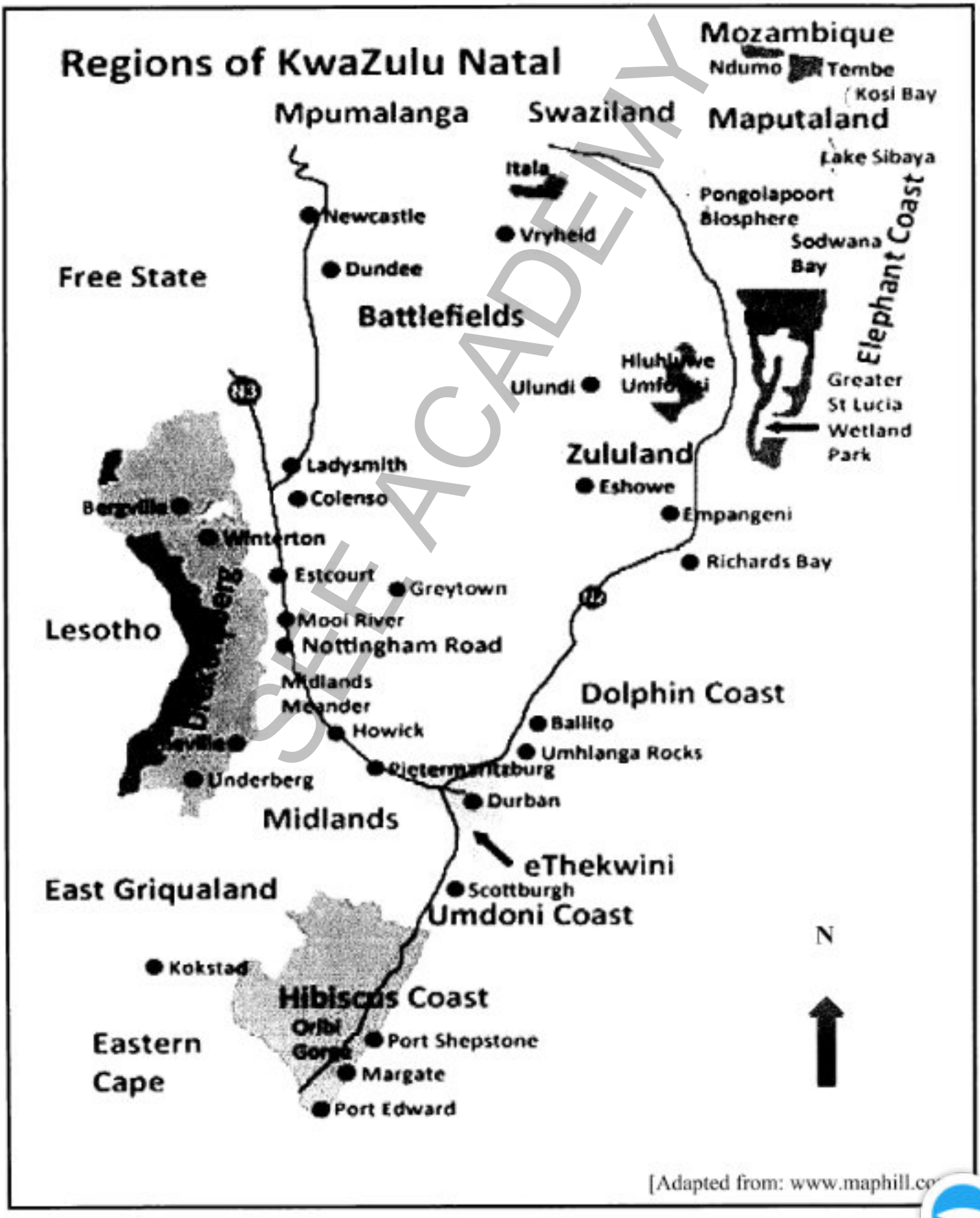
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A NNEXURE A

QUESTION 4

MAP SHOWING REGIONS OF KWAZULU NATAL



[Adapted from: www.maphill.co

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MARKING GUIDELINE

MARKS: 100

SYMBOL	EXPLANATION
M	Method
MA	Method with accuracy
CA	Consistent accuracy
A	Accuracy(Answer)
C	Conversion
S	Simplification
RT/RG/RD	Reading from a table/ graph/ diagram
NPR	No penalty for units/rounding
SF	Correct substitution in a formula
O	Opinion/ reason/deduction/example
J	Justification
R	Rounding off/
F	deriving a formula
E	Explanation
U	Units
AO	Answer only full marks

This marking guideline consistsof 5 pages.

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	QUESTION 1 [28 MARKS]	ANSWER ONLY FULL MARKS	
QUE	SOLUTION	EXPLANATION	TL
1.1.1	Mode is the type of a car that appear more than the other cars✓✓A	2A, Answer (2)	L1 DH
1.1.2	Observation ✓✓A	2A, Answer (2)	L1 DH
1.1.3	Discrete ✓✓A	2A, Answer (2)	L1 DH
1.1.4	1 1 1 1 1 1 1 1 2 2 7✓✓A	2A, Answer (2)	L1 DH
1.1.5	1 : 2✓✓A	2A, Answer (2)	L1 F
1.1.6	19 ✓✓A	1A, Answer (2)	L1 DH
1.1.7	P (Dodge) = — **OR** 0,05 **OR** 5,26%✓✓A	2 A, Answer (2)	L1 P
1.1.8	Amount received = 50 × 7✓M = R350✓A	1M., multiplying all correct values 1A, Answer (2)	L1 F
1.2.1	Beurer Kitchen Scale KS 25✓✓A	2A, Answer (2)	L1 M
1.2.2	Grams✓✓A	2A, Answer (2)	L1 M
1.2.3	3000g✓✓A	2A, Answer (2)	L1 M
1.2.4	✓M 5 × 12 = 60 months✓A	1M, multiplying by 12 1A, Answer (2)	L1 M
1.2.5	P(–) = 0,14✓✓A	2 A, Answer (2)	L1 P
1.2.6	Number Scale✓A	1M., multiplying all correct values 1A, Answer (2)	L1 MP
		[28]	

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QUE	QUESTION 2 [22 MARKS]	EXPLANATION	L
2.1.1	Monthly Income is the income received by Miss Nkala per month ✓✓A	1A, Answer (2)	L1 F
2.1.2	A = — R32 150 ✓MA A = R 2893,50✓✓A	1MA, multiplying correct values 2A,answer **AO** (3)	L2 F
2.1.3	✓M Total Expenditure = (R1 260 + R5 600 + R2 320 + R1 420 + R340 + R1 150 + R2 950 + R1 400 + R2 900 +R 850 + R1 250 + R900 + R800 +R750 + R2 893,50) = R26 783,50✓✓A	**CA from 2.1.2** 1M, adding all value 2A, Answer (3)	L3 F
2.1.4 a)	Option 1 = R750 × 3✓M = R2 250✓A Option 2 = R1400 × 3✓M = R4 200✓A ∴ Option 1 is the cheapest✓J	1M, multiplying correct values 1A, answer 1M, multiplying correct values 1A, answer 1J, justification (5)	L3 F
b)	Access to many entertainment facilities✓✓A **OR** All meals are included✓✓A Accept any valid reason	2A, reasoning (2)	L4 F
2.2.1	6h30min = 7hours R45✓✓RT	2RT,Answer (2)	L2 F
2.2.2	Cost = 6 × 100✓M = R600✓A Lost ticket = R 500✓RT ∴ Claim is valid ✓✓O	1M, multiplying correct 1A, Answer 1RT, lost ticket 2O, conclusion (5)	L3 F
			[22]

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	QUESTION 3[13 MARKS]		
QUE	**SOLUTION**	**EXPLANATION**	**TL**
3.1	Mode 10A = 30✓✓A	2A, Answer (2)	L1 DH
3.2	44 35 32 30 30✓✓ A	2A, all values correctly arranged (2)	L2 DH
3.3	10% = 5✓A 10% × 10 = 100%✓M 5 × 10 = 50 ✓✓ A	1A, 10% =5Answer 1M, multiplying 10% × 10 2A, Answer (4) **AO**	L3 F
3.4	Grade 10 B✓ A The highest learners if from 10B. ✓✓ E Any valid reason	1A, choice 2E, explanation (3)	L4 DH
3.5	Range =44 - 31✓M = 13 ✓A	1M, subtracting correct value 1A,Answer (2)	L2 DH
		[13]	

QUE	**QUESTION 4 [19 MARKS]**	**EXPLANATION**	**L**
4.1.1	Distance in km = ——— ✓M =15 km✓A	1M, diving by 100 1A, Answer (2)	L1 MP
4.1.2	South or South West✓✓A	2A, answer (2)	L2 MP
4.1.3	KwaZulu- Natal✓✓A	2A, Answer (2)	L2 MP
4.1.4	Number of hours = ——— ✓MA = 2,75h✓S =2h45minutes✓A	1MA,dividing 1S,Simplification 1A, Answer in hour and minutes (3)	L3 MP
4.2.1	• Empangeni ✓RT • Richards Bay ✓RT	1RT, correct town 1RT, correct town (2)	L2 MP
4.2.2	Number of litres = ———✓MA = 33,62 ✓A ✓R	1MA, dividing correct values 1A, Answer 1R, correct rounding (3)	L2 MP

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4.2.3	Total Amount = 34 × R19,83✓M = R673,20✓A = R675,00✓R	**CA from 4.2.2** 1M, multiplying correct values 1A, Answer 1R Rounding (3)	L3 MP
4.2.4	Boarder✓✓A	2A,Answer (2)	L4 MP
		[19]	

	QUESTION 5[18 Marks]		
QUE	**SOLUTION**	**EXPLANATION**	**TL**
5.1	6 people✓✓A	2A, Answer (2)	L1 M
5.2	Amount in millilitres =4 × 236,58✓M = 946,36 ✓ A	1M, multiplying correct values 1A, answer (2)	L2 M
5.3	Total cooking time in minutes = 20minutes✓A Cooking time in hours = —— ✓C = 0,33 hours✓R	1A, adding preparation and cooking time 1C, converting minutes to hours 1R, rounding (3)	L3 M
5.4	^0C = (^0F – 32) ÷1,8 =(356 - 32) ÷1,8✓SF =(324^0) ÷ 1,8 ✓S = 180^{0}C✓A	1SF, correct substitution 1S, simplification 1A, correct answer (3)	L2 M
5.5	Number of ingredients = —✓M = 6 Baking duration for 36 people = ——✓C = 2 hours✓M The statementis valid✓O	1M, dividing 36 by 6 1C, conversion 1A, Answer 1O, opinion (4)	L4 M
5.6	To give a taste to the scones✓✓A Any valid reason	2A, Answer (2)	L4 M
5.7	Amount of lemonade= 300 × 6✓M = 1800 ✓A	1M, multiplying correct values 1A, Answer (2)	L2 M
		[18]	
		[100]	

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