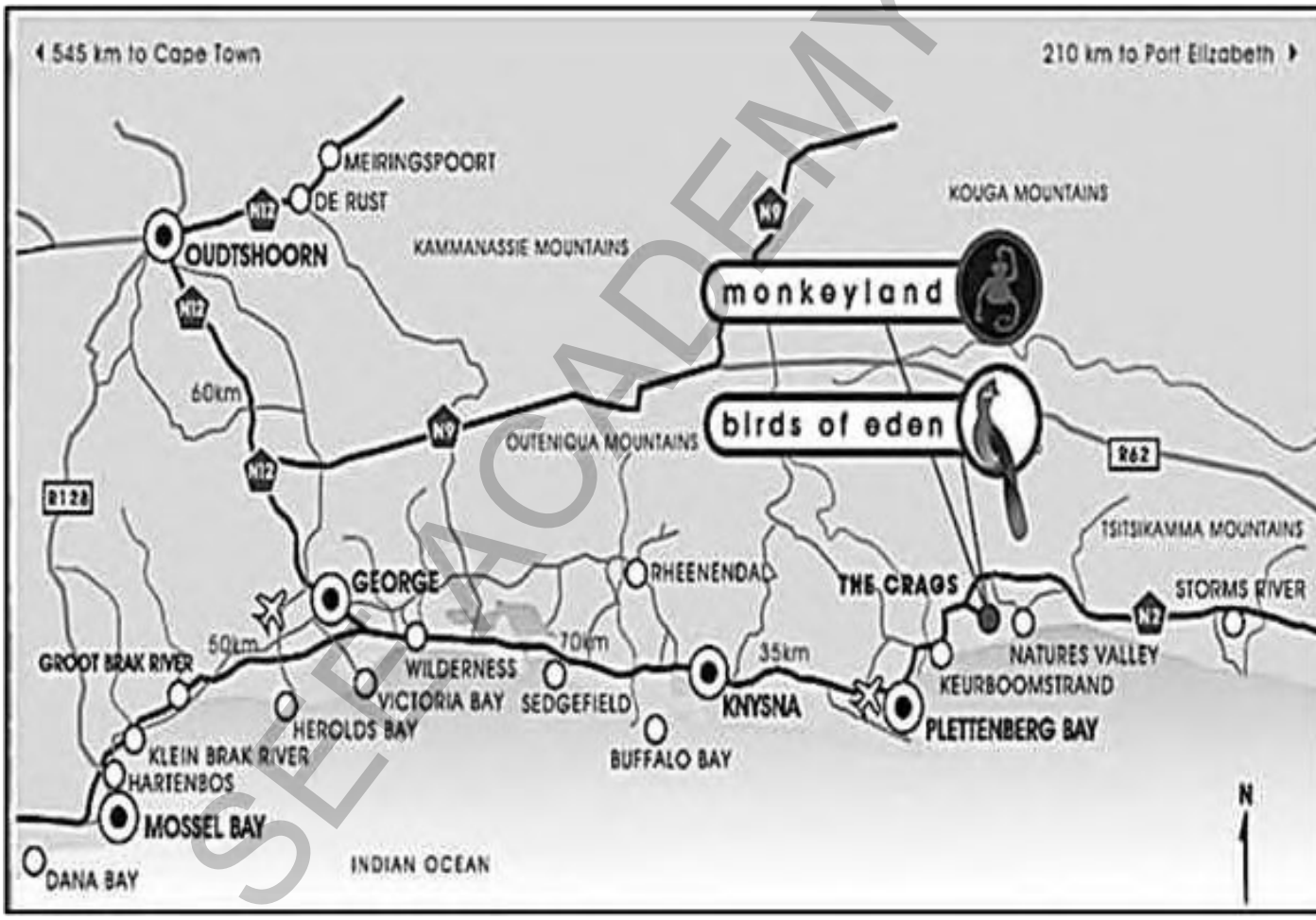
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Province of the
EASTERN CAPE
EDUCATION

O.R TAMBO
INLAND DISTRICT

GRADE 10

MATHEMATICAL LITERACY
PAPER 2
MEMORANDUM
PRE EXAMOINATION
JUNE 2023

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MARKS: 50

Codes	Explanation
M	Method
MA	Method with Accuracy
CA	Consistent Accuracy
A	Accuracy
C	Conversion
D	Define
J	Justification / Reason / Explain
S	Simplification
RT / RD / RG	Reading from a table OR a graph OR a diagram OR a map OR a plan
F	Choosing the correct formula
SF	Substitution in a formula
O	Opinion
P	Penalty, for no units, incorrect rounding-off, etc.
R	Rounding-off
NP	No penalty for rounding-off OR omitting units

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QUESTION 1

QNS	SOLUTION	EXPLANATION	MARKS	TL
1.1.1	12 × 28,35 ✓M = 340,2g ✓CA	1M times 28,35 1CA answer in gram	(2)	TL1
1.1.2	12:15 + 25 minutes ✓M = 12:40 ✓CA	1M plus 25minutes 1CA correct time	(2)	TL1
1.1.3	0,6 × 1 000✓C = 600 ml ✓A	1C multiply by 1000 1A answer in millilitre	(2)	TL2
1.1.4	Metric unit ✓✓O	2O correct unit	(2)	TL3
1.1.5	SP =R15+R10 = R25 ✓MA $= \frac{300}{25}$ ✓ $= 12\ pies$ ✓A	1MA addition 1M division 1A	(3)	TL2
1.2.1	thermometer ✓✓A	2 A correct answer	(2)	
1.2.2	temperature ✓✓A	2 A correct answer	(2)	
1.2.3	21℃ ✓✓A accept [20,5 – 21,5]	2 A correct answer	(2)	
1.2.4	$°F = \frac{9}{5} \times 21℃ + 32$✓ °F = 69,8℃. ✓S✓A accept [69 – 71]	1 SF substitution 1 S simplification 1 A answer	(3)	
1.3.1	West stand ✓✓A	2A	(2)	
1.3.2	VIP, musicians, security✓✓A	2A any correct	(2)	
1.3.3	B3 /B2/B4✓✓A	2 A correct answer	(2)	
			[22]	

QUESTION 2

QNS	SOLUTION	EXPLANATION	MARKS	TL
2.1	Square✓✓A	2A answer	(2)	
2.2	3 000 ÷ 1 000 ✓C = 3 m✓A	1C conversion 1A answer in m	(2)	
			[4]	

QUESTION 3

QNS	SOLUTION	EXPLANATION	MARKS	TL
3.1	$\frac{0}{2}$✓A✓A	1A numerator 1A Denominator	(2)	
3.2	N12✓A N2 ✓A	1A for N12 1A for N2	(2)	
3.3	60 + 70 = 130km✓A✓A Knysna ✓A	2 M addition 1 A answer	(3)	
3.4	60 + 70 + 35 = 165 Km ✓ 92 mm : 165 km ✓ 92 : 165 × 1 000 000 ✓C 92 : 165 000 000 92÷ (92) : 165 000 000 ÷ (92) ✓MA 1 : 1 793 478,26 ✓CA 1 : 1 800 000 ✓R	1 RT correct values 1RT ratio 1C conversion to mm 1 MA share with 92 1CA answer 1R rounding	(6)	

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3.5	Time = Distance ÷ Speed ✓F Distance = 70 + 35 = 105 km ✓A Time = 105km ÷ 100km/h ✓SF = 1,05h Time = 1 hour (0,05 × 60) ✓MA = 1 hour 3 minutes Arrival time = 13:38 + 1 hour 3 minutes✓MA = 14:41 ✓CA He is correct ✓O	1F correct formula 1A correct distance 1SF replaced in formula 1MA times 60 1MA adds time 1CA correct arrival time 1O explanation	(7)	

TAXONOMY LEVELS					
GRADE 10					
MATHEMATICAL LITERACY					
PAPER 2 TERM 2 – 2022					
MARKS: 50					
QUESTION	KNOWLEDGE	ROUTINE PROCEDURES	COMPLEX PROCEDURES	PROBLEM SOLVING	TOTAL
DESIRED %	30%	30%	20%	20%	100%
1.1.1	2				2
1.1.2		2			2
1.1.3		2			2
1.1.4	2				2
1.1.5				3	3
1.2.1	2				2
1.2.2	2				2
1.2.3	2				2
1.2.4		3			3
1.3.1	2				2
1.3.2		2			2
1.3.3			2		2
2.1	2				2
2.2			2		2
3.1	2				2
3.2		2			2
3.3		3			3
3.4			6		6
3.5				7	7
Total	16	14	10	10	50
Actual %	32,0	28,0	20,0	20,0	100,0
Desired %	30%	30%	20%	20%	100

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