



basic education

Department:
Basic Education
REPUBLIC OF SOUTH AFRICA

SENIOR CERTIFICATE EXAMINATIONS

MATHEMATICAL LITERACY P2

ADDENDUM

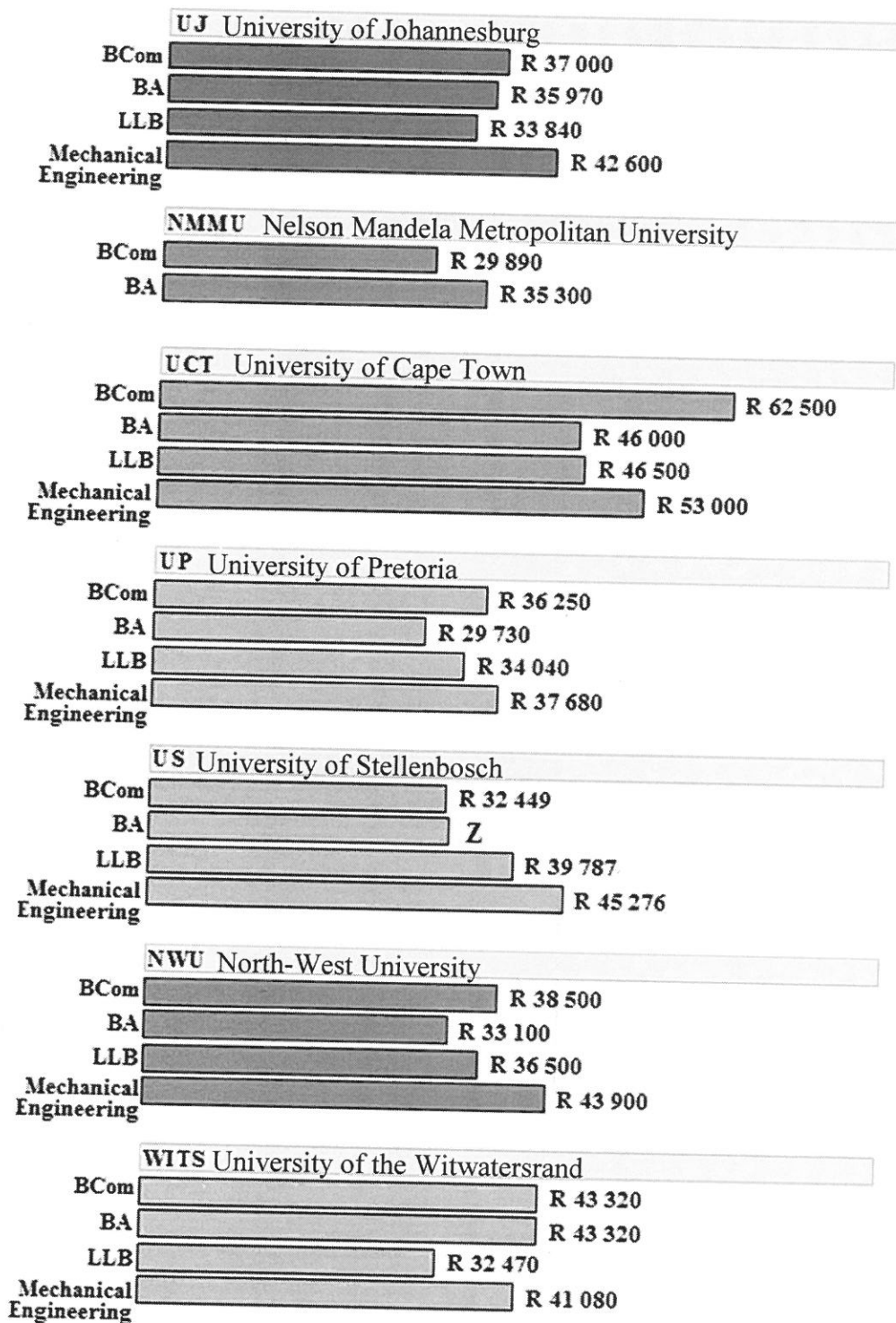
2016

This addendum consists of 6 pages.

ANNEXURE A

QUESTION 1.1

ANNUAL FEES CHARGED BY SOME UNIVERSITIES DURING 2015

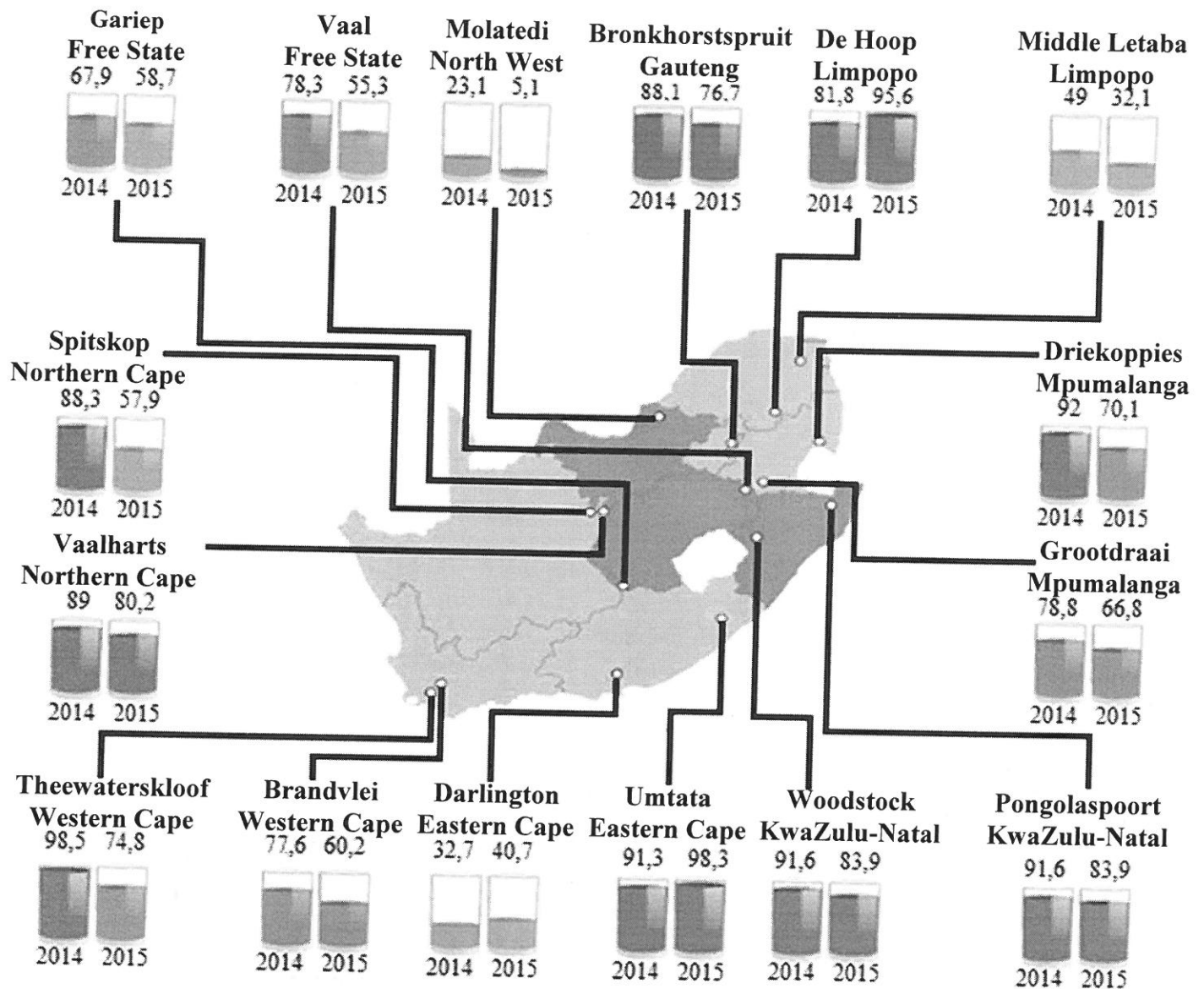


[Adapted from Graphics24]

ANNEXURE B

QUESTION 3.1

SELECTED SOUTH AFRICAN DAM LEVELS (%)



1 megalitre = 1 000 kilolitres

[Source: Graphics24]

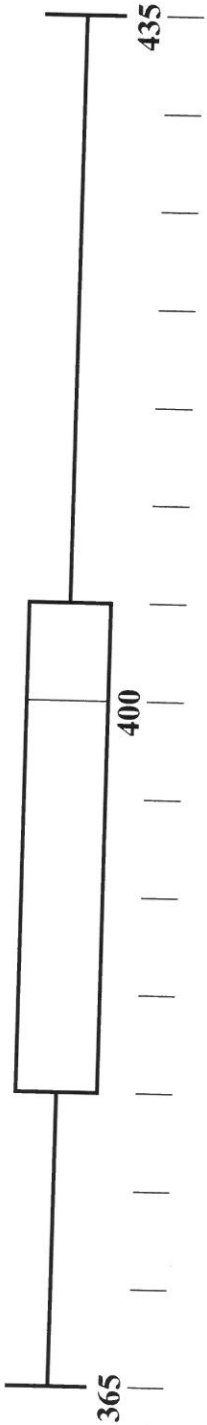
ANNEXURE C

QUESTION 3.2

The table below shows the relationship between the shower duration and the daily temperature for 26 households during the winter and summer.






Household	CWW Summer		CWW Winter		Household	YVW Summer		YVW Winter	
	Daily temp. (°C)	Duration (seconds)	Daily temp. (°C)	Duration (seconds)		Daily temp. (°C)	Duration (seconds)	Daily temp. (°C)	Duration (seconds)
A	20,5	365	11	405	N	21	380	11	455
B	23,5	385	11	365	O	24	390	13	420
C	23	362	12,5	385	P	23	380	14	465
D	23,5	375	13	390	Q	24	370	14	470
E	24,5	380	13	415	R	25	360	15	475
F	25	345	13,5	420	S	28	390	15	465
G	29,5	385	13,5	400	T	30,5	365	16	405
H	29,5	350	13,5	380	U	33	385	17	395
I	32,5	385	16	405	V	34	365	17	455
J	33,5	385	16	385	W	34	355	16	460
K	34	380	16,5	435	X	35	380	18	455
L	34	365	16,5	405	Y	35	345	14	520
M	36	330	16	395	Z	34	360	18	440

Incomplete box and whisker diagram for the CWW winter shower duration



ANNEXURE D

QUESTIONS 4.1 and 4.2



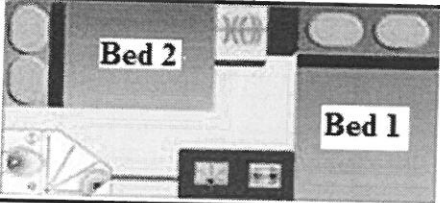
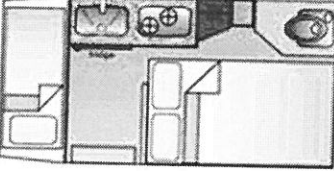
 MOTORHOME RENTAL RATES 2015				
VEHICLE GROUP AND MODEL		Rate per day 3–7 days	Rate per day 8–28 days	Rate per day 39+ days
Motorhome: Two-berth Limited kilometres		R1 050	R1 020	R900
Motorhome: Two-berth Unlimited kilometres		–	R1 225	R1 050
Motorhome: Four-berth Limited kilometres		R1 350	R1 250	R1 150
Motorhome: Four-berth Unlimited kilometres		–	R1 370	R1 270

'Limited kilometres' – 300 km per day free, and thereafter R3,50 per km for every additional km

All prices include insurance, but in case of an accident an excess (extra amount) of R27 500 must be paid.

An additional R220 per day reduces the excess to zero (optional).

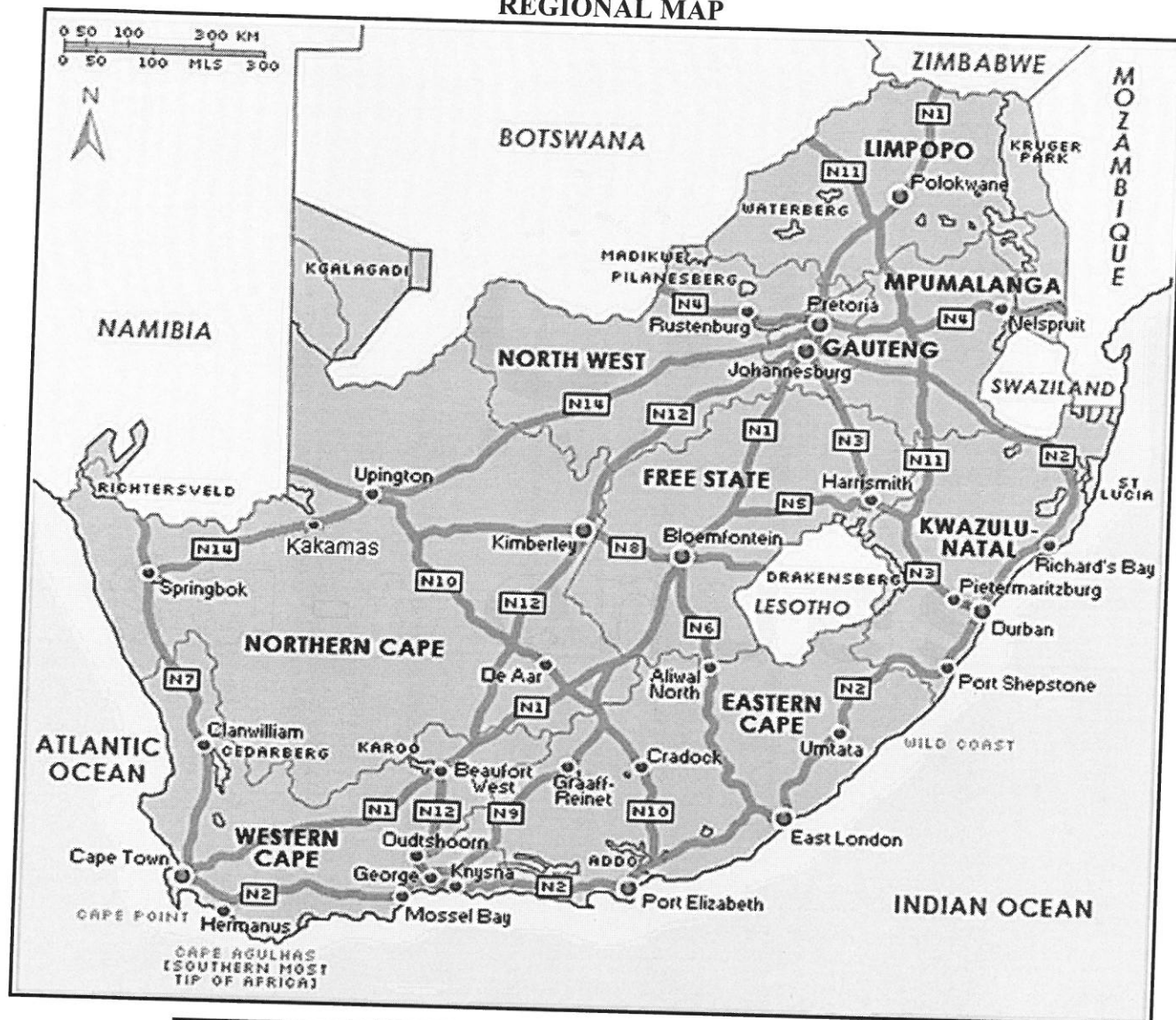
NOTE: The four-berth motorhome has sleeping space for two couples.
The two-berth motorhome has sleeping space for one couple and an extra bed for a child.

Four-berth motorhome	Two-berth motorhome
	
Night layout	Night layout
	
70-litre fuel tank capacity 0,1321 litres per km	50-litre fuel tank capacity 1 litre per 10,362 km

ANNEXURE E

QUESTION 4.2

REGIONAL MAP



DISTANCE CHART

Bloemfontein	Cape Town	Coleberg	Durban	East London	George	Graaff-Reinet	Grahamstown	Johannesburg	Kimberley	Nelspruit	Oudshoorn	Port Elizabeth	Pretoria	Springbok	Umtata	Upington
998	219	779	667	1660	881	575	1042	518	667	575	1042	518	667	575	1042	518
667	1660	881	575	1042	518	667	575	1042	518	667	575	1042	518	667	575	1042
575	1042	518	667	575	1042	518	667	575	1042	518	667	575	1042	518	667	575
764	436	545	1240	630	388	342	422	672	203	645	185	461	274	771	1779	964
422	672	203	645	185	461	274	570	873	370	796	1214	1509	1167	1242	358	832
570	873	370	796	1214	1509	1167	417	1405	623	598	992	1168	826	987	467	Kimberley
417	1405	623	598	992	1168	826	175	960	284	842	750	734	501	654	467	Kimberley
175	960	284	842	750	734	501	771	1779	964	689	1214	1509	1167	1242	358	832
771	1779	964	689	1214	1509	1167	714	422	495	1244	686	63	312	479	1130	676
714	422	495	1244	686	63	312	635	756	454	927	300	330	251	131	1062	752
635	756	454	927	300	330	251	475	1463	681	656	1050	1226	895	1045	58	532
475	1463	681	656	1050	1226	895	963	554	857	1642	788	846	911	1185	1274	800
963	554	857	1642	788	846	911	527	1181	532	436	231	851	509	360	866	779
527	1181	532	436	231	851	509	576	821	560	1243	958	857	667	844	875	401
576	821	560	1243	958	857	667										