

MATHEMATICAL LITERACY: PAPER II
ANSWER SHEET – MARKING GUIDELINES

EXAMINATION NUMBER

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The following questions are to be answered on this sheet:

- Question 1.1
- Question 3.1
- Question 3.2

QUESTION 1.1

Fill in **ALL** the gaps in the table below.

Date February 2007	Time of Call	Length of Call	Cost of Peak Calls	Cost of Off-Peak Calls
Monday 5 th	Peak	2 min 36 sec	R7,20	
Tuesday 6 th	Off-Peak	5 min 12 sec		R7,20
Wednesday 7 th	Peak	12 min 3 sec	R31,20	
Thursday 8 th	Peak	3 min 14 sec	R9,60	
Friday 9 th	Off-Peak	4 min 59 sec		R6,00
Total Cost of Calls - Show the different totals for both the Peak and Off-Peak Calls			R48,00	R13,20
Total Cost for the week			R61,20	

(13)

QUESTION 3.1

Complete the table.

Income		Deductions	
Salary	R 22 500,00	Medical Aid	R 1 625,00
		Pension	<u>R1 687,50</u>
		UIF	R 225,00
Gross Salary	R 22 500,00	Total Deductions	<u>R3 537,50</u>

(3)

QUESTION 3.2

Complete the table.

Monthly taxable income (Gross Income – Deductions)	= R22 500,00 – <u>R3 537,50</u>
	= <u>R18 962,50</u>
Annual taxable income	= <u>R18 962,50</u> × 12
Answer	= <u>R227 550</u>
Basic rate of tax bracket	= <u>R40 210</u>
Add [<u>30</u> % of <u>R227 550</u> – R195 000,00)]	+ <u>R9 765</u>
Answer	= <u>R49 975</u>
Less rebate	– <u>R8 280</u>
Actual annual tax payable	= <u>R41 695</u>

(13)