TEACHERS WITHOUT BORDERS PROGRAMME

BROUGHT TO YOU BY

With grateful thanks to our associate partners, The National Department of Basic Education, The Independent Examinations Board, Siyavula Education, Smarticks, Noteshare, Lemonlicious, datacentrix, and most of all, to the schools and teachers from both the public and private education sectors who as founder contributors, have lent content to the Teachers without Borders programme, for the benefit of all South Africa's learners.

In Bill Gates words, at the Mandela Day 'Living Together' address: "Maintaining the quality of this country's higher education system while expanding access to more students will not be easy. But it's critical to South Africa's future" – working together, we can help achieve this."

Contributing schools to date:

Clifton School	Milnerton High	Rustenburg Girls' High	St Peter's
Durban Girls'	Northwood High	St Anne's DC	St Stithians
Fairmont High	Roedean	St John's DSG	Wynberg Boys' High
Herzlia High	Rondebosch Boys'	St Mary's DSG Kloof	Wynberg Secondary

<div align="center">

ASSIGNMENT 3

MEMORANDUM

</div>

QUESTION ONE

_1.1_   _6,5% x R2 800 000 = R182 000_ ✔✔   _(2)_

_1.2_   _R182 000 x 14% = R25 480_ ✔✔ _Thus amount = R207 480_ ✔   _(3)_

                                                                         _[5]_

QUESTION TWO

_2.1_   _R1680_ ✔   _(1)_

_2.2_   _R10320_ ✔   _(1)_

_2.3_ $SI = \dfrac{10320 \times 15 \times 3}{100}$ ✔✔✔ $= R4644$ ✔   _(4)_

_2.4_   _R14 964 ÷ 36_ ✔ _= R415,67_ ✔ _= R416_ ✔   _(3)_

_2.5_   _R16 656_ ✔✔   _(one mark only for R16644 or R16644,12)_   _(2)_

                                                                         _[11]_

QUESTION THREE

3.1 $1680 = \dfrac{3000 \times r \times 4}{100}$ ✔✔ Thus rate = 14% ✔✔ (4)

3.2 $A = 30800\left(1 + \dfrac{0,13}{12}\right)^{60}$ ✔✔✔ = R58 792,78 ✔ (4)

[8]

QUESTION FOUR

$9357 \div 9,67 = R967,63$ ✔

$146 \times 17,64 = R2\ 575,44$ ✔

$192 \times 11,07 = R2\ 125,44$ ✔

Thus total of R5 668,51 ✔

This equals €404,03 ✔ Thus YES ✔ [6]