



**PAMIBIA UNIVERSITY  
OF SCIENCE AND TECHNOLOGY**

**OFFICE OF THE REGISTRAR**

**Student Admissions**

<b>SUBJECT:</b>	Mature Age Entry Test: Numeracy
<b>DATE:</b>	August 2016
<b>DURATION:</b>	2 Hours
<b>TOTAL MARKS</b>	77 marks

**INSTRUCTIONS/INFORMATION**

1. DO NOT OPEN this booklet until you are told to so.
2. This question booklet consists of seven (7) pages, excluding this cover page.
3. Answer all the questions in section A and section B in the spaces provided in this booklet.
4. Where necessary, do your rough work in the spaces underneath each question.
5. Hand in your booklet at the end of the examination.
6. **On no account may this booklet or part of it be taken out of the examination venue.**

**CANDIDATE'S PARTICULARS**

<b>Surname</b>	
<b>First Names</b>	
<b>ID / Passport Number</b>	
<b>Signature / Date</b>	

4.2 How many members will there be in January 2017?

Answer: \_\_\_\_\_ (2 marks)

5 If one litre of diesel costs N\$11.25, how much will it take to fill a 50-litre tank with diesel if the tank was already half full?

Answer: N\$\_\_\_\_\_ (2 marks)

6 Andrew is three years older than Mariam. Mariam is seven years younger than Piet.

6.1 Write down these names from the youngest to the oldest.

Answer: \_\_\_\_\_ ; \_\_\_\_\_ ; \_\_\_\_\_ (3 marks)

6.2 If Piet is 35 years old, how old is Andrew?

Answer: \_\_\_\_\_ years. (2 marks)

7 The minimum score for admission into a certain College is 40%. The admission test is set out of a total of 75 marks. What is the **least** mark that Titi must score in the admission test out the 75 marks to gain admission into the college?

Answer: \_\_\_\_\_ marks (2 marks)

- 12 Anne, Maria and Tracy are friends. Anne donated one-tenth of her N\$12500 salary to Save-the-Child trust. Maria donated 12% of her N\$10500 salary and Tracy donated N\$1200 to the same trust. How much did the three friends donate to the trust altogether?

Answer: N\$\_\_\_\_\_ (3 marks)

- 13 The cost of making a telephone call is a fixed 15 cents for each call plus 20 cents for each minute. Agnes made a call that lasted for 8 minutes to Butjie. Twenty minutes later, Agnes made another call that lasted for 12 minutes again to Butjie. What is the total cost for the two calls that Agnes made to Butjie? (Give your answer first in cents and then in N\$.)

Answer: \_\_\_\_\_ cents N\$\_\_\_\_\_ (4 marks)

- 14 Simplify:  $12(21 - 9)$

Answer: \_\_\_\_\_ (2marks)

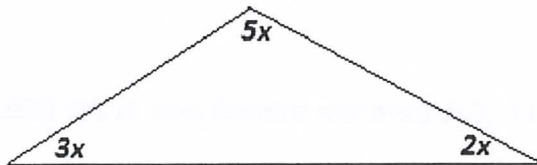
- 15 Simplify:  $2(3 + 15 \div 3)$

Answer: \_\_\_\_\_ (2 marks)

- 18 The following is part of a quotation. Fill-in the six missing amounts. (6 marks)

	N\$
25 chickens @ N\$75 each	_____
Canopy: 6 hrs @ N\$35 per hour	_____
80 chairs @ N\$5 per chair	_____
Miscellaneous logistics	3500.00
Subtotal	_____
VAT @ 15%	_____
Total	_____

- 19 The sum of the three angles of a triangle is  $180^\circ$ . Determine the value of  $x$  in the following triangle.



Answer:  $x =$  \_\_\_\_\_ degrees (3 marks)

13. Calculate the average of the numbers: 255, 172, 315,  $-393$ ,  $-243$ , 194.

Answer: \_\_\_\_\_ (2 marks)