

ADDIS ABABA UNIVERSITY
COLLEGE OF NATURAL AND COMPUTATIONAL SCIENCES
DEPARTMENT OF MATHEMATICS
Mathematics for Natural Sciences (Math 101)
First Semester Final Examination - February 10, 2020

Name _____ Student ID No. _____

Series _____

Time allowed: 2 Hours

Instructions: This examination has 10 short answer questions and 5 worksheet problems. Answer each question on the space provided for each question. Using Calculators and Mobile phones are strictly forbidden.

The **Instructions** are very:

PART I (20%)	PART II (30%)	TOTAL (50%)

Part I: (Short Answer) Give the most simplified answers on the space provided.
[Each item space worths 2 Pts.]

- (1) The truth value of $(\forall x \in \mathbb{R})(x^2 - 1 = 0 \Rightarrow |x| = -2)$ is _____ and
the of $\mathbb{R}(x^2 - 1 = 0 \wedge |x| = -2)$ is _____.
- (2) For two sets C and D , the set $(C \cup D) \cap D$ will be _____.
- (3) For a real number y if $y = 1 + iy$ and $\frac{1}{y} + \frac{2}{y} = 1 + i$, then the value of y is equal to
_____.

Maths Papergrd12013 Final

Sebastian Brünink

A red circular graphic with a gradient, appearing as a semi-circle or a partial circle, located to the right of the author's name.

Maths Papergrd12013 Final:

Maths Papergrd12013 Final Book Review: Unveiling the Magic of Language

In an electronic era where connections and knowledge reign supreme, the enchanting power of language has are more apparent than ever. Its ability to stir emotions, provoke thought, and instigate transformation is truly remarkable. This extraordinary book, aptly titled "**Maths Papergrd12013 Final**," written by a very acclaimed author, immerses readers in a captivating exploration of the significance of language and its profound affect our existence. Throughout this critique, we will delve in to the book is central themes, evaluate its unique writing style, and assess its overall influence on its readership.

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