Course Outline

Department:...Bilingual.....Name of Subject :...Mathematics....Code : A22201

Teacher's na	ime :Mrs	s. Augustina Kaviraj		
Level;				
	Primary/	Secondary M.2/1-5	1 st Semester / 2014	
Subject :	Main Subject	Optional Subject	Development Activities for Students	Contract Others
Course Descript	ion(1 st Semester)			
1. Expansion a	nd factorization of algebraic e	expressions.		
2. Solving quad	dratic equations and roots of	quadratic equations.		
3. Performing the	he four basic operations on a	lgebraic fractions.		

- 4. Apply variation to word problems related in real life situations.
- 2) Learning Objectives (1st Semester)

1)

Indicators of Semester	
1. To provide a broad understanding and an opportunity to acquire detailed knowledge and awareness of the	
study of Mathematics in English.	

2.	To create an interest towards the subject and promote better reading, understanding and comprehending	
	skills.	
З.	To enhance students' ability to evaluate and discuss viewpoints related to the topic.	
4.	Analyze and determine the product of algebraic expressions using the distributive law or special product	
	formula.	
5.	Analyze and determine the roots of the quadratic equation $ax^2 + bx +c$;	
6.	To apply algebraic frations, equations, inequalities, graphs and other mathematical models to represent	
	various situations, as well as interpretation and application for problem solving.	
7.	To promote the capacity for problem solving, reasoning and communication, communication and	
pre	esentation of mathematical concepts; linking various bodies of mathematical knowledge and linking	
ma	thematics with other disciplines; and training ability for creative thinking.	

3) Contents of subjects

1st Semester

Time Duration	Subject Contents
Beginning of the session – Mid-term	- Algebraic Expressions
	- Quadratic Equations
Post – Midterm – Final	- Algebraic Fractions
	- Variation

4) Evaluation

Average marks for evaluation

Authentic Assessment: Written / Practical Exam = 60:40

Evaluation of Learning Objectives

Semester	Learning Objectives (Items)
1	4 ,5, 6, 7

5) Details of Evaluation

<u>1st Semester/2014</u>

Pre-test marks: 30 Marks (Authentic Assessment)

Learning Objectives (Items)	Criteria Followed for Assessment Maximum r	
4,5	- Class/ home assignments	15
	- Response in Class/ Class test	15

Mid-term marks: 20 Marks (Written/Practical Exam)

Learning Objectives (Items)	Criteria Followed for Assessment	Maximum
		marks
4	- Written exam	10
5	- Written exam.	10

Post-Test marks: 30 Marks (Authentic Assessment)

Learning Objectives (Items)	Criteria Followed for Assessment	Maximum
		marks
6 ,7	- Class/ home assignments	15
	- Response in Class/ Class test	15

Final marks :20 Marks (Written/Practical Exam)

Learning Objectives (Items)	Criteria Followed for Assessment	Maximum
		marks
6	- Written Exam	10
7	- Written Exam	10

Course Outline

Department - Bilingual.....Name of Subject :...Mathematics....Code : @22202

Teacher's nar	me : Mrs Augustina Kavir	aj		
Level;				
Subject :	Primary/	Secondary 2/1-5	2 nd Semester / 2014	
Subject .	Main Subject	🗹 Optional Subject	Development Activities for Students	☐ Others

- 1) Course Description (2nd Semester)
 - 1. Different laws of exponent to simplify expressions .
 - 2. Relationships between real numbers, rational numbers and irrational number.
 - 3. Angle Properties of Polygon
- 2) Learning Objectives (2nd Semester)

	Indicators of Semester	
1.	To provide a broad understanding and an opportunity to acquire detailed knowledge and awareness	
	of the study of Mathematics in English.	
2.	To create an interest towards the subject and promote better reading, understanding and comprehending skills.	
З.	To enhance students' ability to evaluate and discuss viewpoints related to the topic	
4.	Develop independence with speed and accuracy in simplifying expressions involving exponents.	
5.	Explaining relationships between real numbers, rational numbers and irrational numbers.	

6. Analyze and calculate the measure of each interior ang	e of a regular polygon.

3) Contents of subjects

2nd Semester

Time Duration	Subject Contents
Beginning of the session – Mid-term	Exponents
	Real numbers
Post – Midterm – Final	Angle properties of Polygon

4) Evaluation

Average marks for evaluation

Authentic Assessment: Written / Practical Exam = 60:40

Evaluation of Learning Objectives

Semester	Learning Objectives (Items)
2	1 ,2 ,3 ,4,5,6,

2nd Semester/2014

Pre-test marks: 30 Marks (Authentic Assessment)

Learning Objectives (Items)	Criteria Followed for Assessment	Maximum marks
4	- Class/ home assignments	15
5	- Response in Class/ Class test	15

Mid-term marks : 20 Marks (Written/Practical Exam)

Learning Objectives (Items)	Criteria Followed for Assessment	Maximum
		marks
4	- Written Exam	10
5	- Written Exam	10

Post-Test marks : 30 .Marks (Authentic Assessment)

Learning Objectives (Items)	Criteria Followed for Assessment	Maximum marks
6	- Class/ home assignments	15
6	- Response in Class/ Class test	15

Final marks :20 Marks (Written/Practical Exam)

Learning Objectives (Items)	Criteria Followed for Assessment	Maximum marks
6	- Written Exam	10
6	- Written Exam	10