DEPARTMENTAL SCHEMES TERM ONE-2025

TEACHER'S NAME: <u>BYANSOBERA IBRA</u> CLASS: <u>S.3.</u> SUBJECT: <u>MATHEMATICS</u>

WK	PRD	TOPIC	LEARNING	COMPETENCY	METHODOLOGY	TEACHING	REFERENCES	REMARKS		
		AND	OUTCOME			AIDS				
		SUBTOPIC								
1	4		REVIEW OF THE LAST TERMS WORK AND CORRECTIONS FOR EOT EXAMS							
2	4	EQUATION	The learner should	y = mx + c	Guided discovery	Charts	Baroque math			
		OF A	be able to		Group discussions	Learners	learners book 3			
		STRAIGHT	understand the		Question and	books	Teachers guide			
		LINE	relationship		answer	pens	internet			
			between a linear							
			equation and its							
			graph							
2	4	EQUATION	The learner should	Gradient = m	Guided discovery	Charts	Baroque math			
		OF A	be able to determine		Group discussions	Learners	learners book 3			
		STRAIGHT	the gradient when		Question and	books	Teachers guide			
		LINE	given an equation		answer	pens	internet			
		GRADIENT								
		OF A LINE								
3	4	EQUATION	The learner	Parallel lines	Guided discovery	Charts	Baroque math			
		OF A	identifies the	have equal	Group discussions	Learners	learners book 3			
		STRAIGHT	relationship	gradients	Question and	books	Teachers guide			
		LINE	between parallel		answer	pens	internet			
			and perpendicular	For						
		PARRALLE	lines	perpendicular						
		L AND		M1*M2 = -1						
		PERPENDI								
		CULAR								
		LINES								
3	4			ACTIVI'	TY OF INTEGRATIO	N				
4	4	TRIGONOM	The learner should	Sine = opp/hyp	Guided discovery	Charts	Baroque math			
		ETRY 1	be able to derive	Cos = adj/hyp	Group discussions	Learners	learners book 3			
			sine, cosine and	Tan = opp/adj	Question and	books	Teachers guide			
					answer	pens	internet			

			tangent functions				
			from the unit circle				
5	2	TRIGONOM	The learner should	Proper usage of	Guided discovery	Charts	Baroque math
		ETRY 1	be able to read and	the calculator	Group discussions	Learners	learners book 3
			use calculators to		Question and	books	Teachers guide
			find values of trig		answer	pens	internet
			functions and				
			angles of depression				
			and elevation				
6	4			ACTIVI	TY OF INTEGRATION	ON	
6	4	DATA	The learner should	The learner	Guided discovery	Charts	Baroque math
		COLLECTI	be able to	calculates	Group discussions	Learners	learners book 3
		ON AND	understand mode,	measures of	Question and	books	Teachers guide
		DISPLAY	mean, median as	central tendency	answer	pens	internet
			measures of central	using various			
			tendency	formulas			
7	4	DATA	The learner should	The learner	Guided discovery	Charts	Baroque math
		COLLECTI	be able to draw	draws frequency	Group discussions	Learners	learners book 3
		ON AND	frequency tables of	tables of	Question and	books	Teachers guide
		DISPLAY	ungrouped data	ungrouped data	answer	pens	internet
		DDAWING		and use them to			
		DRAWING		find mean and			
		AND		median			
		USING					
		FREQUEN CY TABLES					
7	4	DATA	The learner should	The leaner ably	Guided discovery	Charts	Baroque math
1	4	COLLECTI	be able to draw	draws the	Group discussions	Learners	learners book 3
		ON AND	histograms and	histogram and	Question and	books	Teachers guide
		DISPLAY	ogives	the cumulative	answer	Pens	internet
			ogives	frequency curve	aliswei	Graph books	miternet
		DRAWING		irequency curve		Graph books	
		HISTOGRA					
		MS AND					
		OGIVES					
8	4	5.2.2.2.2	1	ACTIVI	TY OF INTEGRATION	ON	
9	4	VECTORS	The learner should	The learner finds	Guided discovery	Charts	Baroque math
			be able to describe	the vector of s	Group discussions		learners book 3

			position vectors	directed line	Question and	Learners	Teachers guide
			geometrically and	segment when	answer	books	internet
			position vectors.	position vector of		pens	
				the end points			
				are known			
9	4	VECTORS	The learner should	The learner ably	Guided discovery	Charts	Baroque math
			be able to use vector	uses vectors to	Group discussions	Learners	learners book 3
			method to show	show	Question and	books	Teachers guide
			parallelism and	parallelism and	answer	Pens	internet
			collinearity	collinearity		Graph books	
10	4		•	ACTIVI'	TY OF INTEGRATION	ON	
10	4	RATIOS	The learner should	The learner	Guided discovery	Charts	Baroque math
		AND	be able to apply	applies	Group discussions	Learners	learners book 3
		PROPORTI	equivalent ratios	equivalent ratios	Question and	books	Teachers guide
		ONS			answer	Pens	internet
						Graph books	
11	4	RATIOS	The learner should	The learner	Guided discovery	Charts	Baroque math
		AND	be able to apply	understands and	Group discussions	Learners	learners book 3
		PROPORTI	direct and inverse	applies ratios	Question and	books	Teachers guide
		ONS	proportional	and proportions	answer	Pens	internet
			reasoning			Graph books	
12	4			ACTIVITY OF	INTEGRATION		
13				END OF	TERM EXAMS		

DEPARTMENTAL SCHEMES TERM TWO-2025 TEACHER'S NAME: <u>BYANSOBERA IBRA CLASS</u>: <u>S.3. SUBJECT</u>: <u>MATHEMATICS</u>

WK	PRD	TOPIC AND SUBTOPIC	LEARNING OUTCOME	COMPETENCY	METHODOL OGY	TEACHING AIDS	REFERENCE S	REMARK S
1	4		REVIEW OF THE	LAST TERMS WOF	K AND CORRE	ECTIONS FOR	EOT EXAMS	
2	4	BUSINESS MATHEMATI CS	The learner should be able to use a multiplier when calculating percentage change	the learner ably uses a multiplier when calculating percentage change	Guided discovery Group discussions Question and answer	Charts Learners books Pens	Baroque math learners book 3 Teachers guide internet	
2	4	BUSINESS MATHEMATI CS	The learner should be able to calculate compound interest, depression, appreciation and hire purchase	The learner ably finds compound interest, depression, appreciation and hire purchase	Guided discovery Group discussions Question and answer	Charts Learners books Pens	Baroque math learners book 3 Teachers guide internet	
3	4	BUSINESS MATHEMATI CS	The learner should be able to calculate taxable income and income tax	The learner ably finds taxable income and income tax	Guided discovery Group discussions Question and answer	Charts Learners books Pens	Baroque math learners book 3 Teachers guide internet	
3	4				F INTEGRATION			
4	4	TRIGONOME TRY 2	The learner should be able to find trig ratios of angles of 90,45.	The learner ably uses the Pythagoras theorem to find these ratios	Guided discovery Group discussions Question and answer	Charts Learners books Pens	Baroque math learners book 3 Teachers guide internet	

4	4	TRIGONOME TRY 2	The learner should be able to use the cosine and sine rule and apply in real life situations	Use of graphs to derive the cosine and sine rule	Guided discovery Group discussions Question and answer	Charts Learners books Pens	Baroque math learners book 3 Teachers guide internet
5				ACTIVITY (OF INTEGRATION	ON	
6	4	MATRICES	The learner should be able to define a matrix and state its order	Order depends on the rows and columns	Guided discovery Group discussions Question and answer	Charts Learners books Pens	Baroque math learners book 3 Teachers guide internet
6	4	MATRICES	The learner should be able to find the Determinant and inverse of a 2x2 matrix	The learner ably finds the Determinant and inverse of a 2x2 matrix	Guided discovery Group discussions Question and answer	Charts Learners books Pens	Baroque math learners book 3 Teachers guide internet
7	4			ACTIVITY	DF INTEGRATION	ON	
7	4	MATRIX TRANSFOR MATIONS	The learner should be able to identify transformations for reflections, enlargement and rotations	The learner uses graphical method to determine the images of objects	Guided discovery Group discussions Question and answer	Charts Learners books Pens	Baroque math learners book 3 Teachers guide internet
8		1	1	MID TERM	TWO EXAMS	<u> I</u>	
9	4	MATRIX TRANSFOR MATIONS	The learner should be able to identify the relationship between area scale factor and determinant of a	The area of an image can be obtained as a product of area of the object and determinant of a	Guided discovery Group discussions Question and answer	Charts Learners books Pens	Baroque math learners book 3 Teachers guide internet

			transformation matrix	transformation matrix			
9	4	MATRIX TRANSFOR MATIONS	The learner should be able to find a single matrix for successive transformations	M = M2*M1	Guided discovery Group discussions Question and answer	Charts Learners books Pens	Baroque math learners book 3 Teachers guide internet
10	4			ACTIVITY O	F INTEGRATION	ON	1
11	4	SIMULTANE OUS EQUATIONS	The learner should be able to solve simultaneous equations in one unknown	Equations are solved by elimination and substitution	Guided discovery Group discussions Question and answer	Charts Learners books Pens	Baroque math learners book 3 Teachers guide internet
12	•			END OF TERM	TWO EXAMS		•

DEPARTMENTAL SCHEMES TERM THREE-2025 TEACHER'S NAME: <u>BYANSOBERA IBRA</u> CLASS: <u>S.3</u> SUBJECT: <u>MATHEMATICS</u>

WK	PR D	TOPIC AND SUBTOPIC	LEARNING OUTCOME	COMPETENCY	METHODOL OGY	TEACHING AIDS	REFERENCE S	REMARK S
1	4		REVIEW OF THE	E LAST TERMS WOR	K AND CORRE	CTIONS FOR	EOT EXAMS	
2	4	PROBABILIT Y	The learner must be able to understand the elementary concepts of probability	Probability refers to the expected outcomes to the sample space	Guided discovery Group discussions Question and answer	Charts Learners books Pens	Baroque math learners book 3 Teachers guide internet	
3	4	PROBABILIT Y	The learner must be able to determine probabilities from experiments and real life data	This involves differentiating between theoretical and experimental probabilities	Guided discovery Group discussions Question and answer	Charts Learners books Pens	Baroque math learners book 3 Teachers guide internet	
4	4	PROBABILIT Y	The learner should be able to use probability tree diagrams to determine probabilities independent events	This involves using Venn diagrams to find probabilities	Guided discovery Group discussions Question and answer	Charts Learners books Pens	Baroque math learners book 3 Teachers guide internet	
5	4		ı	ACTIVITY O	F INTEGRATIO)N	<u>I</u>	1
7	4	QUADRATIC EQUATIONS	The learner should be able to determine roots of a	These can be got by factorization, completing squares	Guided discovery Group discussions	Charts Learners books Pens	Baroque math learners book 3 Teachers guide internet	

8	4	QUADRATIC EQUATIONS	quadratic equation The learner should be able to draw a graph for a quadratic graph	and using the formula The learner ably draws a graph for a quadratic graph	Question and answer Guided discovery Group discussions Question and	Charts Learners books Pens	Baroque math learners book 3 Teachers guide internet	
			graph		answer			
9	4		1	ACTIVITY O	F INTEGRATION	ON		
10	4	CIRCLE PROPERTIES	The learner should be able to identify the arc, chord, sector and segment	Elementary parts of a circle	Guided discovery Group discussions Question and answer	Charts Learners books Pens	Baroque math learners book 3 Teachers guide internet	
11	4	CIRCLE PROPERTIES	The learner should be able to find angle properties of cyclic quadrilaterals	Angle properties of a cyclic quadrilateral	Guided discovery Group discussions Question and answer	Charts Learners books Pens	Baroque math learners book 3 Teachers guide internet	
12		1	1	END OF YE	AR EXAMS	1		

SIGN OF HOD:
SIGN OF DIRECTOR OF STUDIES