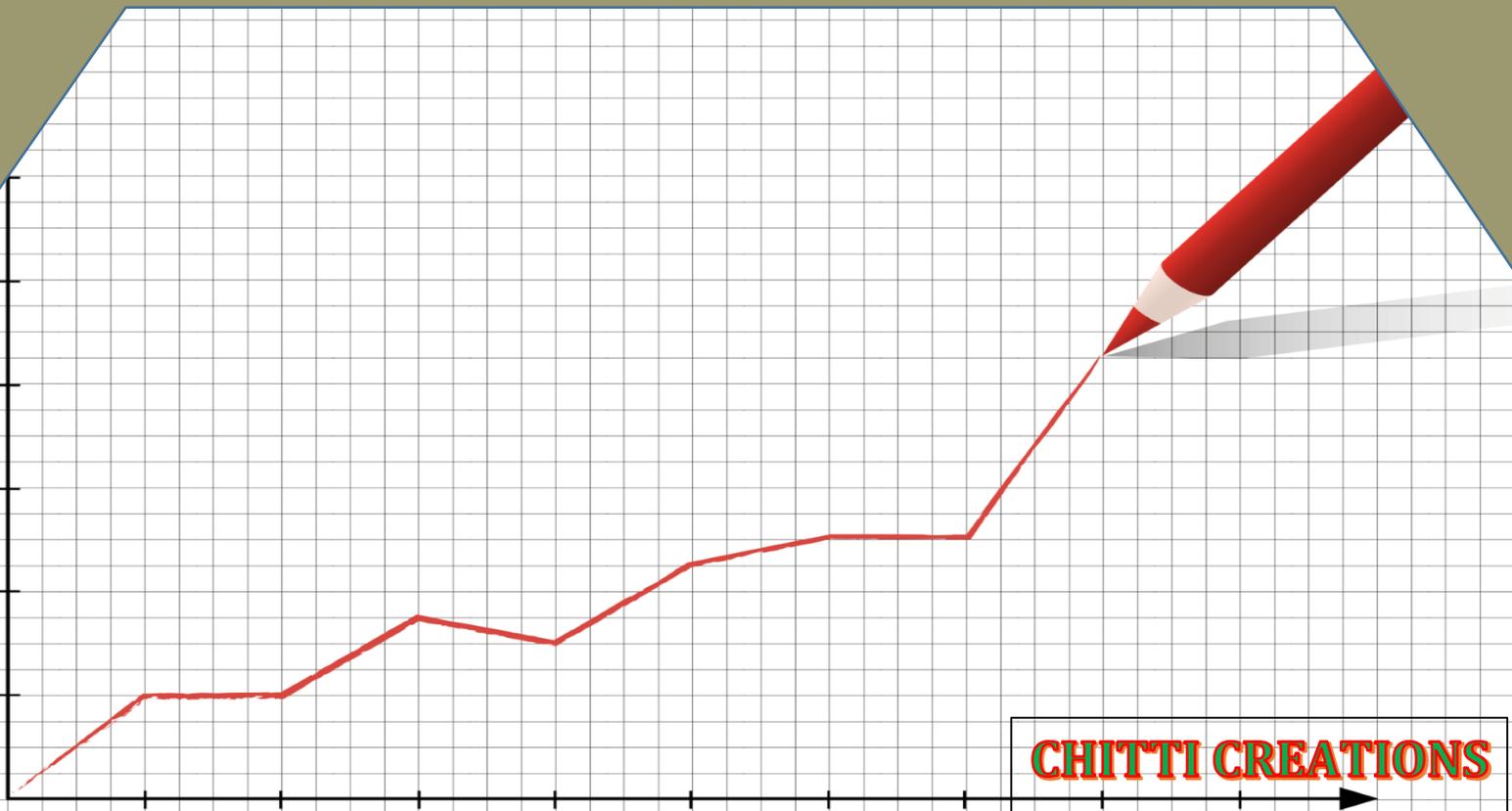
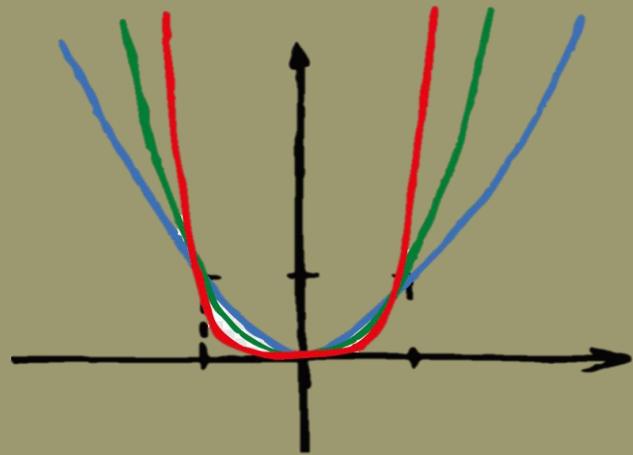


YEAR 2021-22

MATHEMATICS PROGRAM OF WORK



CHITTI CREATIONS

PROGRAM OF WORK FOR THE YEAR 2021-22 9TH STANDARD (E.M) DATE:20-06-2021

PREPARED BY:



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Mob.9916142961

PART-1

SL.NO	UNIT NAME	ALLOTTED PERIODS
1	NUMBER SYSTEM	08+ 02
2	INTRODUCTION TO EUCLID'S GEOMETRY	04+02
3	LINES AND ANGLES	06+02
4	POLYNOMIALS	06+02
5	TRIANGLES	08+02
6	CONSTRUCTIONS	06+02
7	QUADRILATERALS	07+02
	CCE EVALUATION	06
	TOTAL	66

PART-2

SL.NO	UNIT NAME	ALLOTTED PERIODS
1	HERON'S FORMULA	07+02
2	COORDINATE GEOMETRY	06+02
3	AREAS OF PARALLELOGRAMS & TRIANGLES	08+02
4	LINEAR EQUATIONS IN TWO VARIABLES	05+02
5	CIRCLES	06+02
6	SURFACE AREA & VOLUMES	10+02
7	STATISTICS	06+02
8	PROBABILITY	04+02
	CCE EVALUATION	06
	TOTAL	70

(Note: Additional 02 periods required for notes checking and clarification of doubts)

NO.OF PERIODS: 26**MONTH: JULY 2021**

SL.NO	LESSON NAME	PERIODS	TEACHING ITEMS	PERIODS
BRIDGE COURSE TEST				
	Evaluation	4	CCE EVALUATION	4

NO.OF PERIODS: 25**MONTH: August 2021**

SL.NO	LESSON NAME	PERIODS	TEACHING ITEMS	PERIODS
1	NUMBER SYSTEM	10	<ol style="list-style-type: none"> 1. Introduction 2. Irrational numbers 3. Representing real numbers on the number line 4. Operation on real numbers 5. Laws of exponents for real numbers 6. Summary 	1 2 2 2 2 1
2	POLYNOMIALS	12	<ol style="list-style-type: none"> 1. Introduction 2. Polynomials in one variables 3. Zeroes of the polynomials 4. Remainder theorem 5. Factorization of polynomials 6. Algebraic identities 7. Summary 	1 2 2 2 2 2 1
3	INTRODUCTION TO EUCLID'S GEOMETRY	03	<ol style="list-style-type: none"> 1. Introduction 2. Euclid's definition, axioms and postulates 	1 2
4	Evaluation	2	CCE EVALUATION	2

NO.OF PERIODS : 25**MONTH: September 2021**

SL.NO	LESSON NAME	PERIODS	TEACHING ITEMS	PERIODS
1	INTRODUCTION TO EUCLID'S GEOMETRY	2	3. Equivalent versions of Euclid's fifth postulate 4. Summary	1 1
2	LINES AND ANGLES	13	1. Introduction 2. Basic terms and definitions 3. Intersecting lines and non-intersecting lines 4. Pair of angles 5. Parallel lines and transversal lines 6. Lines parallel to the same line 7. Angle sum property of a angle 8. Summary	1 2 1 2 2 2 2 1
3	TRIANGLES	13	1. Introduction 2. Congruence of triangles 3. Criteria for congruence of triangles 4. Some properties of a triangle 5. Some more criteria for congruence of triangles 6. Inequalities in a triangle 7. Summary	1 2 2 2 2 1 1
5	Evaluation	1	CCE EVALUATION	1

NO.OF PERIODS: 16**MONTH: October 2021**

SL.NO	LESSON NAME	PERIODS	TEACHING ITEMS	PERIODS
1	Constructions	6	1. Introductions 2. Basic constructions 3. Some constructions of triangles 4. summary	1 2 2 1
2	QUADRILATERALS	10	1. Introduction 2. Angle sum property of a quadrilateral 3. Types of quadrilaterals 4. Properties of a parallelogram 5. Another condition for a quadrilateral to be a parallelogram 6. The mid-point theorem 7. Summary	1 2 1 2 2 2 1

3	First semester examination	
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MONTH: OCTOBER

ANALYSIS OF FIRST TERM EXAM EVALUATION

AND CHECKING THE HOLIDAY HOME WORK

NO.OF PERIODS:22

MONTH: NOVEMBER 2021

SL.NO	LESSON NAME	PERIODS	TEACHING ITEMS	PERIODS
1	HERON'S FORMULA	08	1. Introduction 2. Area of a triangle- by Heron's formula 3. Application of Heron's formula in finding areas of Quadrilaterals 4. Summary	1 3 3 1
2	STATISTICS	08	1. Introduction 2. Collection of data 3. Presentation of data 4. Summary	1 2 3 1
3	Evaluation	6	CCE EVALUATION	6

NO.OF PERIODS: 27

MONTH: DECEMBER 2021

SL.NO	LESSON NAME	PERIODS	TEACHING ITEMS	PERIODS
1	SURFACE AREA AND VOLUMES	22	1. Introduction 2. Surface area of a Cuboid and a Cube 3. Surface area of a right circular cylinder 4. Surface area of a right circular cone 5. Surface area of a sphere 6. Volume of a Cuboid 7. Volume of a Cylinder 8. Volume of a right circular cone 9. Volume of a sphere 10. Summary	1 3 3 3 3 2 2 2 2 1
2	Evaluation	5	CCE EVALUATION	5

HAPPY NEW YEAR 2022

NO.OF PERIODS: 25

MONTH: JANUARY 2022

SL.NO	LESSON NAME	PERIODS	TEACHING ITEMS	PERIODS
1	AREAS OF PARALLELOGRAMS AND TRIANGLES	13	1. Introduction 2. Figures on the same base and between the same parallels 3. Parallelograms on the same base and between the same parallels 4. Triangles on the same base and between the same parallels 5. Summary	1 2 3 3 3 1
2	COORDINATE GEOMETRY	7	1. Introduction 2. Cartesian system 3. Problems 4. Plotting a point in the plane if its coordinates are given 5. Summary	1 1 1 1 2 1
3	CIRCLES	4	1. Introduction 2. Circles and its related terms: A review 3. Angle subtended by a chord at a point (continued in the next month...)	1 1 2
4	Evaluation	1	CCE EVALUATION	1

NO.OF PERIODS: 23**MONTH: FEBRUARY 2022**

SL.NO	LESSON NAME	PERIODS	TEACHING ITEMS	PERIODS
1	CIRCLES	10	(from previous month) 1. Perpendicular from the centre to a chord 2. Circle through three points 3. Equal chords and their distances from the centre 4. Angle subtended by an arc of a circle 5. Cyclic quadrilaterals 6. Summary	2 2 2 2 2 1
2	PROBABILITY	6	1. Introduction 2. Probability - an experimental approach 3. Summary	1 4 1
3	Evaluation	1	CCE EVALUATION	1

NO.OF PERIODS: 25**MONTH: MARCH 2022**

SL.NO	LESSON NAME	PERIODS	TEACHING ITEMS	PERIODS
1	LINEAR EQUATIONS IN TWO VARIABLES	10	1. Introduction 2. Finding the solutions 3. Graphical solution 4. Problems 5. Summary	1 2 3 2 1
2	Evaluation	3	CCE EVALUATION	3
3	REVISION		REVISION	

NO.OF PERIODS: 24**MONTH: APRIL 2022**

EXAMINATION OF SA2

Dear Sir/Madam :

This Program of Work for department purpose. Any change u can make it.

THANK YOU