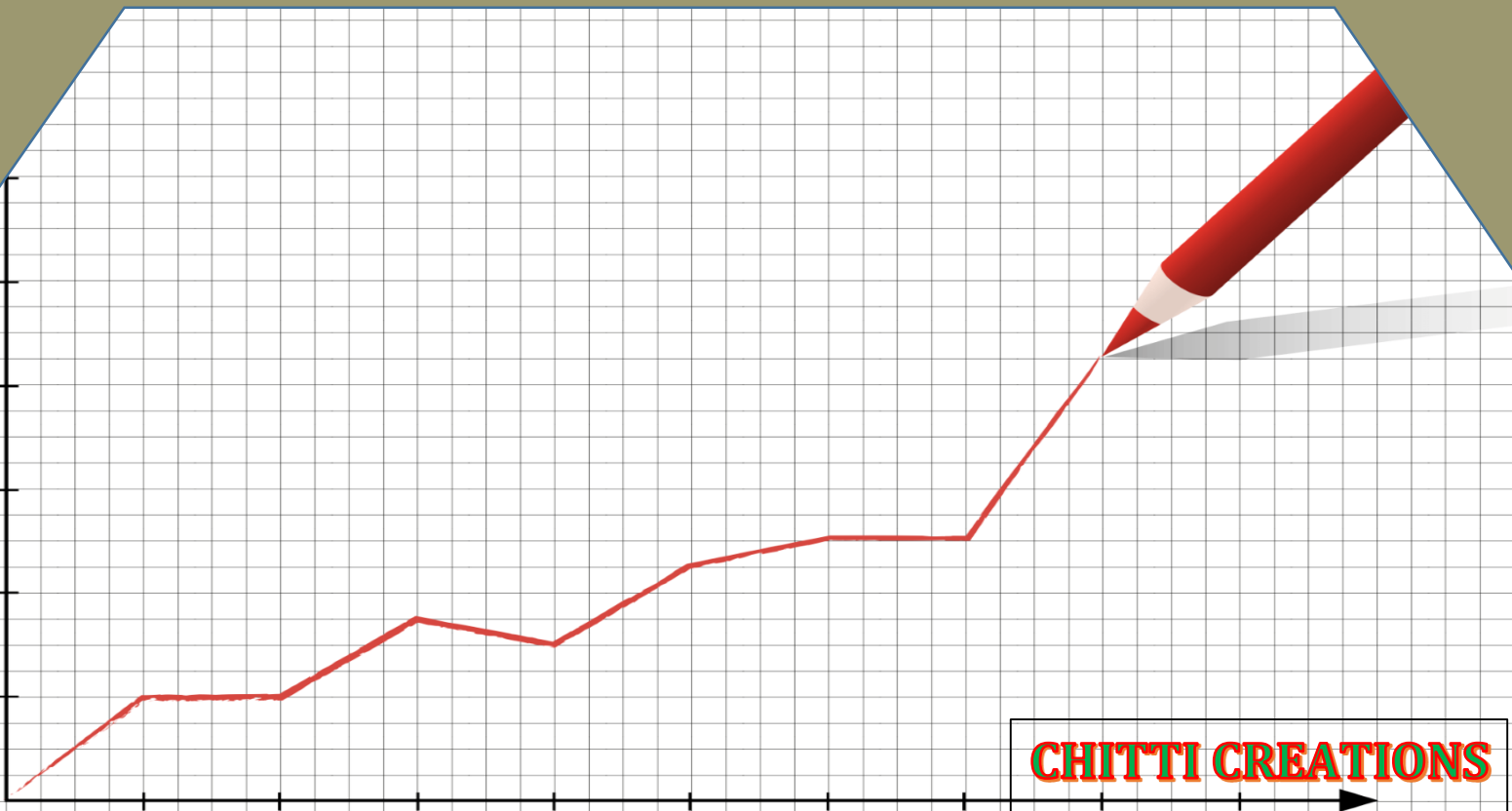
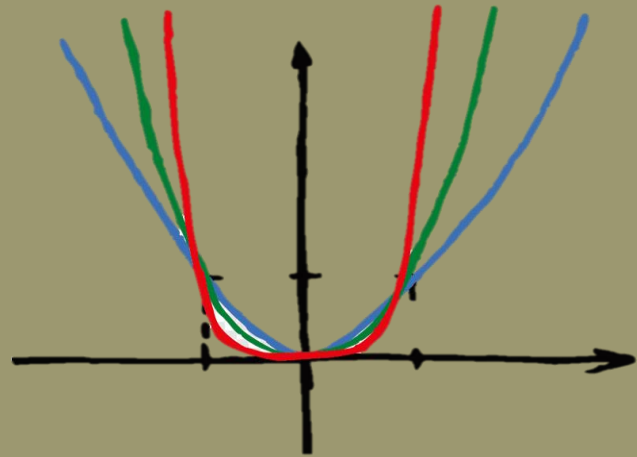


YEAR 2021-22

MATHEMATICS PROGRAM OF WORK



CHITTI CREATIONS

PROGRAM OF WORK FOR THE YEAR 2021-22 10TH STANDARD (E.M)

DATE:20-06-2021

PREPARED BY:



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VIJAYANAGARA DIST
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PART-1

LESSON NO.	UNIT NAME	ALLOTTED PERIODS
1	ARITHMETIC PROGRESSION	08
2	TRIANGLES	12
3	PAIR OF LINEAR EQUATIONS IN TWO VARIABLES	12
4	CIRCLES	05
5	AREAS RELATED TO CIRCLES	09
6	CONSTRUCTIONS	08
7	COORDINATE GEOMETRY	10
8	REAL NUMBERS	08
	CCE EVALUATION	04
	TOTAL	76

PART-2

LESSON NO.	UNIT NAME	ALLOTTED PERIODS
9	POLYNOMIALS	08
10	QUADRATIC EQUATIONS	10
11	INTRODUCTION TO TRIGONOMETRY	10
12	SOME APPLICATIONS OF TRIGONOMETRY	10
13	STATISTICS	08
14	PROBABILITY	06
15	SURFACE AREAS AND VOLUMES	12
	CCE EVALUATION	06
	TOTAL	70

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	ARITHMETIC PROGRESSION	10	1. Introduction 2. Arithmetic progression 3. nth term of an A.P 4. Problems 5. Sum of first n terms of an A.P 6. Exercise problems 7. Summary	1 1 1 2 2 1
2	TRIANGLES	11	1. Introduction 2. Similar figures and similarity of triangles 3. Problems 4. Criteria of similarity of triangles 5. Areas of similar triangles 6. Problems 7. Pythagoras theorem 8. problems 9. Summary	1 1 2 1 1 2 1 1 1
3	Evaluation	4	CCE EVALUATION	4

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

SL.NO	LESSON NAME	PERIODS	TEACHING ITEMS	PERIODS
1	PAIR OF LINEAR EQUATIONS IN	12	1. Introduction 2. Pair of linear equations in two variables	1 1

NO.OF PERIODS: 22**MONTH: NOVEMBER 2021**

SL.NO	LESSON NAME	PERIODS	TEACHING ITEMS	PERIODS
1	COORDINATE GEOMETRY	08	4. Area of a triangle 5. Problems 6. Summary	4 3 1
2	REAL NUMBERS	10	1. Introduction 2. Euclid's division lemma 3. The fundamental theorem of arithmetic 4. Revisiting irrational numbers 5. Revisiting irrational numbers their decimal expansion 6. Problems 7. Summary	1 1 2 2 2 2 1
3	Evaluation	4	CCE EVALUATION	4

NO.OF PERIODS: 27**MONTH: DECEMBER 2021**

SL.NO	LESSON NAME	PERIODS	TEACHING ITEMS	PERIODS
1	POLYNOMIALS	7	1. Introduction 2. Euclid's definition, axioms and postulates 3. Equivalent versions of Euclid's fifth postulate 4. Summary	1 2 2 1
2	QUADRATIC EQUATIONS	12	1. Introduction and quadratic equation 2. Solution of a quadratic equation by factorization method 3. Solution of a quadratic equation by completing square method 4. Nature of roots 5. Problem solving 6. Summary	1 3 3 2 2 1
3	INTRODUCTION TO TRIGONOMETRY	03	1. Introduction and trigonometric ratios 2. Trigonometric ratios of some specific angles	1 2
4	Evaluation	4	CCE EVALUATION	4

HAPPY NEW YEAR 2022

NO.OF PERIODS: 25

MONTH: JANUARY 2022

SL.NO	LESSON NAME	PERIODS	TEACHING ITEMS	PERIODS
1	INTRODUCTION TO TRIGONOMETRY	07	3. Trigonometric ratios of complementary triangles 4. Trigonometric identities 5. problems 6. Summary	3 2 2
2	SOME APPLICATIONS OF TRIGONOMETRY	10	1. Introduction, height and distance 2. Angle of elevation and angle of depression 3. Applied problems	1 2 7
3	STATISTICS	06	1. Introduction 2. Mean of grouped data 3. Mode of grouped data	1 2 3
4	Evaluation	2	CCE EVALUATION	2

NO.OF PERIODS: 23

MONTH: FEBRUARY 2022

SL.NO	LESSON NAME	PERIODS	TEACHING ITEMS	PERIODS
1	STATISTICS	06	(continued part...) 4. Median of grouped data 5. Graphical representation of cumulative frequency distribution 6. Summary	3 3 1
2	PROBABILITY	06	1. Introduction 2. Probability - a theoretical approach 3. Complementary event 4. Problems 5. Summary	1 2 1 2
3	SURFACE AREAS AND VOLUMES	13	1. Introduction 2. Surface area of a combination of solids	1 3 3

			3. Volume of a combinations of solids	3
			4. Conversion of solid from one shape to another	3
			5. Frustum of a cone	1
			6. Summary	
4	Evaluation	4	CCE EVALUATION	4

NO.OF PERIODS : 20

MONTH: March 2022

SL.NO	LESSON NAME	PERIODS	TEACHING ITEMS	PERIODS
1	<i>REVISION</i>	25	<i>REVISION</i>	25
Series examinations				
1.	Evaluation	4	CCE EVALUATION	4

NO.OF PERIODS : 20

MONTH: April 2022

Preparatory and ANNUAL EXAMINATION- APRIL

Dear Sir/Madam : Actually we should finish the portion by December itself. Because in January, February and March there will be preparatory exam And PRACTICE PAPER so it is better to complete with in December. This Program of Work for department purpose. Any change u can make it.

THANK YOU