

**BAGARIA BAL VIDYA NIKETAN**

**LAXMANGARH-SIKAR**

**SYLLABUS & LESSON PLANNER-2024-25**

<b>Class:-</b>	<b>VII</b>
<b>Subject:-</b>	<b>MATHEMATICS</b>
<b>Teacher Name:-</b>	<b>VIRENDRA KUMAR SONI</b>

**SYLLABUS**

Ch.No	Name of Books	Name of Chapter	working day	Period	Topic	Month	Week
CH 1	N.C.E.R.T	INTEGERS	23	30	CH 1 Properties of Integers, Properties of addition and subtraction of integers, Multiplication of integers, Properties of multiplication of integers, Division of integers, Properties of division of integers	April	1
							2
							3
							4
CH 2		FRACTIONS AND DECIMALS					
CH 3	N.C.E.R.T	DATA HANDLING	13	17	CH 3 Collecting data, Organization of data, Representative values, mean, mode, median Use of bar graphs with a different purpose, chance and probability.	May	1,2
CH 4	N.C.E.R.T	SIMPLE EQUATIONS	11	14	CH 4 Setting up of an equation., From solution to equation, Application of simple equation to practical situation.	June	1,2
CH 5	N.C.E.R.T	LINES AND ANGLES	26	34	CH 5 Related angles: Complementary angles, Supplementary angles, vertically opposite angles Pair of lines: Intersecting lines, transversal, checking for parallel lines	July	
							1,2
							3
							4
CH 7	N.C.E.R.T	COMPARING QUANTITIES	24	32	CH 7 Equivalent ratios, Percentage - another way of comparing quantities, Meaning of Percentage, Converting fractional numbers to percentages, Converting decimals to percentage, Converting percentages to fractions or decimals, Use of percentages, interpreting percentages, converting percentages to 'How many', Ratios to Percents, Increase or decrease as percent., Prices related to an item or buying and selling, Profit or loss as a percentage, Charge given on borrowed money or simple interest, Interest for multiple years	August	1
							2
							3
							4
CH8		RATIONAL NUMBERS			CH 8		
					CH 9		1,2

CH 9	N.C.E.R.T	PERIMETER AND AREA	23	30	Squares and rectangles, Triangles as part of rectangles, Generalizing for other congruent parts of rectangles, Area of a parallelogram, Area of a triangle, Circles: circumference of a circle, Area of circle, Conversion of units, Applications.	September	3
							4
Syllabus Break due to Exam Period and Holidays in the month of October							
CH 10	N.C.E.R.T	ALGEBRAIC EXPRESSIONS	23	30	CH 10 Terms of an Expression: Factors of a term, Coefficients, Like and Unlike Terms, Monomials, binomials, trinomials and polynomials, Addition and Subtraction of Algebraic Expressions, Finding the Value of an Expression, Using Algebraic expressions - Formulas and Rules	November	1
							2
							3
							4
CH 11		EXPONENTS AND POWERS					
CH 12	N.C.E.R.T	SYMMETRY	23	30	CH 12 Lines of symmetry for regular polygons, Rotational symmetry, Line symmetry and rotational symmetry.	December	1
							2
							3
							4