



SYLLABUS FOR THE ACADEMIC SESSION 2020-21
CLASS – VII

MATHEMATICS

Month	Unit	Topics	Sub-Topics
April	1	Integers	- Properties of Integers
	2	Fractions and Decimals	- Types of fractions - Comparing fractions - Addition, Subtraction, Multiplication and Division of fractions - Comparing decimals - Conversion of decimal into fraction and vice-versa - Addition, Subtraction, Multiplication and Division of decimals
	3	Data Handling	- Concept - Mean, Mode, Median - Double Bar Graph - Chance and Probability
May	4	Algebraic Expressions	- Concept - Addition - Subtraction - Multiplication (monomials by monomials, monomials by binomials) - Division (by monomials) - Simplifications
June	Syllabus for Pre Mid-Term Examination (Unit 1, 2)		
June	4	Algebraic Expressions (Continue)	- Concept - Addition - Subtraction - Multiplication (monomials by monomials, monomials by binomials) - Division (by monomials) - Simplifications
July	5	Simple Equations	- Solving equation by different methods - Word Problems
	6	Lines and Angles	- Supplementary and Complementary angles, Adjacent angles, Linear pair of angles, and Vertically Opposite angles. - Concept of Transversal and related angles
	7	Square root	- Square root by Prime-factorisation and Division method of whole numbers and decimals.
	8	Triangles and Its Properties	- Angle sum property - Exterior Angle property - Triangle Inequality property - Pythagoras Theorem
August	9	Congruence	- Criteria of congruence of triangles and its applications
	10	Rational numbers	- Standard form - Four operations
September	Syllabus for Half-Yearly Examination (Unit 1, 2, 3, 4, 5, 6, 7, 8, 9)		
September	11	Comparing Quantities	- Ratio and Proportion - Percentage - Simple Interest - Profit and Loss
October	12	Practical Geometry	- Construction of parallel Lines - Construction of Different types of Triangles
	13	Symmetry	- Line symmetry, Reflection and Rotational Symmetry, Order of Rotational Symmetry.
November	Syllabus for Post Mid-Term Examination(Unit 10, 11, 12, 13)		
November	14	Mensuration	- Perimeter and area of square and rectangles - Area of four walls of a room - Perimeter and area of triangles (only half × base × height) and parallelogram.
December	15	Exponents	- Concepts - Laws of exponents - Simplifications - Standard form
	16	Visualising Solid Shapes	- Faces, Edges and Vertices of solid figures - Net Diagram
January	Revision		
February	Syllabus for Annual Examination (Unit 10, 11, 12, 13, 14, 15, 16 and 4, 5)		