MATHEMATICS SCEHEME
J.S.2

SN	TOPICS
1	Whole number:- Standard forms, decimal to standard form, prime factors of numbers < 200, perfect squares
2	Whole numbers: L.C.M of numbers, H.C.F of numbers, square root of perfect square using factor method
3	Fractions – conversion of simple fractions to ratio, decimal and percentages
4	Transactions in homes and offices – office and household transactions, commercial arithmetic relating to profit, interest, discount and commission
5	Approximation:- Approximation to any degree of accuracy
6	Multiplication and division of directed number:- square and square roots of numbers using square and square root tables, charts, tables, records and schedules, multiplication and division involving directed numbers

SN	TOPICS
7.	Algebraic expression- expansion of algebraic expression, factorization of simple algebraic expression
8.	Algebraic expression: algebraic expression of fractions with monomial denominator
9.	Simple equation: solving equations using directed numbers solving equations with unknown on both sides
10	Simple equation:- solving equations with brackets, solving equations with fractions
11	Word problems on algebraic fractions-word problems leading to simple algebraic fractions
12	Linear inequalities- linear inequalities in one variable, graphs of linear inequalities in one variable, solutions of inequalities, multiplication and division by negative numbers, solving word problem involving inequalities

SN	TOPICS
13.	Graph: Cartesian planes and coordinates, plotting points on the Cartesian planes
14.	Straight-line graphs-linear equations in one variable, linear graphs from real-life situations
15.	Plane figures/shape: revision of properties of parallelogram, rhombus and kites.
16.	Angles : sum of angles of a convex polygon angle of elevation and depression
17.	Data presentation: ordered presentation of data or frequency table, pie chart.
18.	Probability: occurrence of chance events in everyday life, probability of chance events