Chapter No.	Name of Chapter	Topic (MATHEMATICS)	Month	Week
First Semester				
1	Integers	Introduction of integers, Number line, Integers between two integers, Comparing integers, Absolute value	April	1
		Arranging integers, Addition/Subtraction of integers, Concept of additive inverse		
		Multiplication/ Division of integers, Concept of Multiplicative inverse, Even/odd integers	April	1
		Consecutive even/odd integers, Simplification (BODMAS), use of Brackets, Word problems(Application of integers)		
		One question based on Assertion-Reason.		
2	Fractions	Introduction of Fractions, Types of fractions, Converting improper fraction into mixed fraction & vice versa,	April	1
		Addition/ Subtraction of fractions, Multiplication/ division of fractions & their word problems.		
		Simplifying fractions (BODMAS)		
		One question based on Assertion-Reason.		
3	Decimals	Introduction to Decimals, Like / unlike decimals, Converting Decimal into fraction & vice-versa	May	1
		Adition/Subtraction of Decimals, Multiplication and Division of Decimals,		
		Definition of Terminating and Recurring numbers, Rouding off to the decimal places	May	1
		One question based on Assertion-Reason.		
4	Rational Numbers	Introduction of Rational numbers, Equivalent rational numbers, Standard form of a rational numbers,	June	1.5
		Comparing of rational numbers, Operations(+ - x /) on rational numbers and their word problems,		
		Representation of rational numbers on number line, By actual division express as a repeating decimals,		
		One question based on Assertion-Reason.		
5	Exponents	Power of a Number, Laws of Exponents, Scientific Notation/ exponential notation,	July	1
		One question based on Assertion-Reason.		
14	Linear Equations	Mathematical Sentences, Linear Equation in one variable, Rules for Solving Linear Equations	July	1
		Transposition, Problems based on Linear Equations		
		One question based on Assertion-Reason.		
7	Ratio & Proportion	Proportion(Definition and Facts about proportion), Questions based on Proportion	July	1
		One question based on Assertion-Reason.		
8	Unitary Method	Introduction, Direct Variation & its word problem, Indirect variation & its word problem,	August	1
		One question based on Assertion-Reason.		
16	Fundamental Geometry Concepts	Basic understand & definition of (Point, Line segment, Ray, Line, Plane, Collinear points, Intersecting/Concurrent lines, Parallel lines) with diagram.	August	1.5
		One question based on Assertion-Reason.		

	Lines & Angles	Angle, Types of angles-, Complementary angles, Supplementary angles, ,		
		Adjacent Angles, Linear Pairs of angles, Angles on a line, Angles at a point, VOA		
		Perpendicular & Parallel Lines (Alternate interior angle/Co-interior angle, corresponding angles)		
		One question based on Assertion-Reason.		
17		REVISION FOR FIRST SEMESTER	August - September	2
Second Semester				
6	Sets	A Set and its Objects, Types, Subsets, Cardinal properties,	October	1
		One question based on Assertion-Reason.		
9	Percentage	Introduction of Percentage, Converting a percentage into Fraction/ Decimal/ Ratio, Finding percentage of a given quantity	October	1
		Problems related to percentage, Percentage change		
		One question based on Assertion-Reason.		
10	Profit and loss	Introduction, Discussion of formulas, Problem based on profit /loss. One question based on Assertion-Reason.	October	1
11	Simple Interest	Introduction, Discussion of formulas, Problem based on it. One question based on Assertion-Reason.	November	0.5
12	Speed, Distance & Time	Relationship between Speed, Time & Distance and problem based on it, conversion of m/s to km/hr & vice versa.	November	1.5
		One question based on Assertion-Reason.		
13	Algebraic expressions	Fundamental concepts of Algebra, Operations on literals & numbers, Types of Algebraic expressions, Concept of degree, coefficients, like terms, constant numbers. Generating Algebraic expressions, Operations on Algebraic expressions. One question based on Assertion-Reason.	December	1
11	Properties of Triangles	Introduction, Classification of triangles according to Sides/Angles, Angle sum property	December	1
		of a triangle, Exterior Angle property of a triangle, Pythagoras Theorem, Problem based on pythagoras.		
		One question based on Assertion-Reason.		
19	Symmetry	Linear symmetry, Point symmetry, Roatational symmetry		
22	Construction	Construction of a line parallel to a given line through a point not on it,Construcion of Triangles using compass.	Jan	0.5
23	Mensuration	Perimeter & area, Perimeter/Area of paths, Roads & Borders, Triangles, Paralleogram,	Jan	2
		Area/Circumference of circle. Area of ring.		
		One question based on Assertion-Reason.		
24 & 25	Data Handling & Probability	Introduction, Frequency Distribution, Mean, Mode & Median of ungrouped Data,	Jan	1
		Graphical Representation of statistical data		
		One question based on Assertion-Reason.	February	1
		REVISION FOR SECOND SEMESTER	February	2