

**SYLLABUS INDICATOR AND EXAM PORTION**  
**CBSE – 2024-25**

**Subject: Mathematics**

**Grade: V**

PHASE 1			
Ch. No.	Chapter Name	Subtopics	PT1 portion Total Marks: 20 Duration: 45 minutes
1	Numbers	<ul style="list-style-type: none"> <li>▪ 7-Digit Numbers</li> <li>▪ 8- Digit Numbers</li> <li>▪ 9-Digit Numbers</li> <li>▪ Face Value</li> <li>▪ Place Value</li> <li>▪ Expanded Form of Number</li> <li>▪ Expressing Large Numbers on the Abacus</li> <li>▪ Successor of a Number</li> <li>▪ Predecessor of a Number</li> <li>▪ Comparing the Numbers</li> <li>▪ Ascending Order and Descending Order</li> <li>▪ The Biggest Number</li> <li>▪ The Smallest Number</li> <li>▪ International System of Numeration</li> <li>▪ Comparison of Two Systems of Numeration</li> <li>▪ Roman System of Numerals</li> </ul>	<ul style="list-style-type: none"> <li>▪ 7-Digit Numbers</li> <li>▪ 8- Digit Numbers</li> <li>▪ 9-Digit Numbers</li> <li>▪ Face Value</li> <li>▪ Place Value</li> <li>▪ Expanded Form of Number</li> <li>▪ Expressing Large Numbers on the Abacus</li> <li>▪ Successor of a Number</li> <li>▪ Predecessor of a Number</li> <li>▪ Comparing the Numbers</li> <li>▪ Ascending Order and Descending Order</li> <li>▪ The Biggest Number</li> <li>▪ The Smallest Number</li> <li>▪ International System of Numeration</li> <li>▪ Comparison of Two Systems of Numeration</li> <li>▪ Roman System of Numerals</li> </ul>
2	Operations on Numbers	<ul style="list-style-type: none"> <li>▪ Addition</li> <li>▪ Properties of Addition</li> <li>▪ Addition without Regrouping</li> <li>▪ Addition with Regrouping</li> <li>▪ Subtraction</li> <li>▪ Properties of Subtraction</li> <li>▪ Subtraction without Borrowing</li> <li>▪ Subtraction with Borrowing</li> <li>▪ Multiplication</li> <li>▪ Properties of Multiplication</li> <li>▪ Multiplication of 4-Digit Number by a 2-Digit Number</li> </ul>	<ul style="list-style-type: none"> <li>▪ Addition</li> <li>▪ Properties of Addition</li> <li>▪ Addition without Regrouping</li> <li>▪ Addition with Regrouping</li> <li>▪ Subtraction</li> <li>▪ Properties of Subtraction</li> <li>▪ Subtraction without Borrowing</li> <li>▪ Subtraction with Borrowing</li> <li>▪ Multiplication</li> <li>▪ Properties of Multiplication</li> <li>▪ Multiplication of 4-Digit Number by a 2-Digit Number</li> </ul>

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		<ul style="list-style-type: none"> <li>▪ Multiplication of 3-Digit Number by a 3-Digit Number</li> <li>▪ Multiplication of 4-Digit Number by a 3-Digit Number</li> <li>▪ Urdhava Tiryak Sutra</li> <li>▪ Division</li> <li>▪ Properties of Division</li> <li>▪ Division by 10, 100 and 1000</li> <li>▪ Division by a 2-Digit Number</li> <li>▪ Division by a 3-Digit Number</li> <li>▪ DMAS Rule</li> <li>▪ Unitary Method</li> </ul>	<ul style="list-style-type: none"> <li>▪ Multiplication of 3-Digit Number by a 3-Digit Number</li> <li>▪ Multiplication of 4-Digit Number by a 3-Digit Number</li> <li>▪ Division</li> <li>▪ Properties of Division</li> <li>▪ Division by 10, 100 and 1000</li> <li>▪ Division by a 2-Digit Number</li> <li>▪ Division by a 3-Digit Number</li> <li>▪ DMAS Rule</li> <li>▪ Unitary Method</li> </ul>
6	Geometry	<ul style="list-style-type: none"> <li>▪ Basic Geometrical Figures</li> <li>▪ Angle</li> <li>▪ Measuring the Angle using Protractor</li> <li>▪ Draw an Angle using Protractor</li> </ul>	<ul style="list-style-type: none"> <li>▪ Basic Geometrical Figures</li> <li>▪ Angle</li> <li>▪ Measuring the Angle using Protractor</li> <li>▪ Draw an Angle using Protractor</li> </ul>

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PHASE 2			
Ch. No.	Chapter Name	Subtopics	HYE portion
			<b>Total Marks: 50</b> <span style="float: right;"><b>Duration: 2 hours</b></span>
		▪	PT1 portion is included
7	Maps	<ul style="list-style-type: none"> <li>▪ Reading the Map</li> <li>▪ Scale of a Map</li> <li>▪ How to scale a drawing?</li> </ul>	<ul style="list-style-type: none"> <li>▪ Reading the Map</li> <li>▪ Scale of a Map</li> <li>▪ How to scale a drawing?</li> </ul>
3	Factors and Multiples	<ul style="list-style-type: none"> <li>▪ Divisibility Tests</li> <li>▪ Prime and Composite numbers</li> <li>▪ The Sieve of Eratosthenes</li> <li>▪ Prime Factorisation</li> <li>▪ Highest Common Factor (HCF)</li> <li>▪ Finding HCF by Prime Factorisation</li> <li>▪ Multiples of a Number</li> <li>▪ Lowest Common Multiple (LCM)</li> <li>▪ Finding LCM using the Prime Factorisation Method</li> <li>▪ Finding LCM using the Common Division Method</li> <li>▪ Relation between HCF and LCM of Two Numbers</li> </ul>	<ul style="list-style-type: none"> <li>▪ Divisibility Tests</li> <li>▪ Prime and Composite numbers</li> <li>▪ Prime Factorisation</li> <li>▪ Highest Common Factor (HCF)</li> <li>▪ Finding HCF by Prime Factorisation</li> <li>▪ Multiples of a Number</li> <li>▪ Lowest Common Multiple (LCM)</li> <li>▪ Finding LCM using the Prime Factorisation Method</li> <li>▪ Finding LCM using the Common Division Method</li> <li>▪ Relation between HCF and LCM of Two Numbers</li> </ul>
4	Fractions	<ul style="list-style-type: none"> <li>▪ Equivalent Fractions</li> <li>▪ Lowest Form (Simplest Form) of a Fraction</li> <li>▪ Comparing Like Fractions</li> <li>▪ Comparing Unlike Fractions</li> <li>▪ Comparing Unlike Fractions with the Same Numerator</li> <li>▪ Addition of Fractions</li> <li>▪ Addition of Like Fractions</li> <li>▪ Addition of Unlike Fractions</li> <li>▪ Subtraction of Fractions</li> <li>▪ Subtraction of Like Fractions</li> <li>▪ Subtraction of Unlike Fractions</li> <li>▪ Multiplication of Fraction with a Whole Number</li> </ul>	<ul style="list-style-type: none"> <li>▪ Equivalent Fractions</li> <li>▪ Lowest Form (Simplest Form) of a Fraction</li> <li>▪ Comparing Like Fractions</li> <li>▪ Comparing Unlike Fractions</li> <li>▪ Comparing Unlike Fractions with the Same Numerator</li> <li>▪ Addition of Fractions</li> <li>▪ Addition of Like Fractions</li> <li>▪ Addition of Unlike Fractions</li> <li>▪ Subtraction of Fractions</li> <li>▪ Subtraction of Like Fractions</li> <li>▪ Subtraction of Unlike Fractions</li> <li>▪ Multiplication of Fraction with a Whole Number</li> </ul>

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		<ul style="list-style-type: none"> <li>▪ Multiply Two Fractions</li> <li>▪ Reciprocal of Fraction</li> <li>▪ Divisions of Fractions</li> </ul>	<ul style="list-style-type: none"> <li>▪ Multiply Two Fractions</li> <li>▪ Reciprocal of Fraction</li> <li>▪ Divisions of Fractions</li> </ul>
8	Patterns	<ul style="list-style-type: none"> <li>▪ Patterns Using Shapes</li> <li>▪ Patterns Using Figures</li> <li>▪ Patterns Using Numbers</li> </ul>	<ul style="list-style-type: none"> <li>▪ Patterns Using Shapes</li> <li>▪ Patterns Using Figures</li> <li>▪ Patterns Using Numbers</li> </ul>

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PHASE 3			
Ch. No.	Chapter Name	Subtopics	PT2 portion Total Marks: 20 Duration: 45 minutes
5	Decimal Numbers	<ul style="list-style-type: none"> <li>▪ Equivalent Decimal Numbers</li> <li>▪ Like and Unlike Decimal Numbers</li> <li>▪ Converting Unlike Decimal Numbers into Like Decimal Numbers</li> <li>▪ Comparing Decimal Numbers</li> <li>▪ Ordering of Decimal Numbers</li> <li>▪ Addition of Decimal Numbers</li> <li>▪ Subtraction of Decimal Numbers</li> <li>▪ Multiplication of a Decimal Number by a Whole Number</li> <li>▪ Multiplication of a Decimal Number by 10,100 and 1000</li> <li>▪ Division of Decimal Number by a Whole Number</li> <li>▪ Division of a Decimal Number by 10,100 and 1000</li> </ul>	<ul style="list-style-type: none"> <li>▪ Equivalent Decimal Numbers</li> <li>▪ Like and Unlike Decimal Numbers</li> <li>▪ Converting Unlike Decimal Numbers into Like Decimal Numbers</li> <li>▪ Comparing Decimal Numbers</li> <li>▪ Ordering of Decimal Numbers</li> <li>▪ Addition of Decimal Numbers</li> <li>▪ Subtraction of Decimal Numbers</li> <li>▪ Multiplication of a Decimal Number by a Whole Number</li> <li>▪ Multiplication of a Decimal Number by 10,100 and 1000</li> <li>▪ Division of Decimal Number by a Whole Number</li> <li>▪ Division of a Decimal Number by 10,100 and 1000</li> </ul>
9	Measurement	<ul style="list-style-type: none"> <li>▪ Measurement of Length</li> <li>▪ Converting Length from One Unit to Another</li> <li>▪ Addition of Lengths</li> <li>▪ Subtraction of Lengths</li> <li>▪ Multiplication of Length by a Number</li> <li>▪ Multiplication of Length by a Number (Alternate Method)</li> <li>▪ Measurement of Mass (Weight)</li> <li>▪ Converting Weight from One Unit to Another</li> <li>▪ Addition of Weights</li> <li>▪ Subtraction of Weights</li> <li>▪ Multiplication of Weight by Number</li> <li>▪ Multiplication of Weight by a Number (Alternate Method)</li> <li>▪ Division of Weight</li> <li>▪ Measurement of Capacity</li> <li>▪ Converting Capacity from One Unit to Another</li> </ul>	<ul style="list-style-type: none"> <li>▪ Measurement of Length</li> <li>▪ Converting Length from One Unit to Another</li> <li>▪ Addition of Lengths</li> <li>▪ Subtraction of Lengths</li> <li>▪ Multiplication of Length by a Number</li> <li>▪ Multiplication of Length by a Number (Alternate Method)</li> <li>▪ Measurement of Mass (Weight)</li> <li>▪ Converting Weight from One Unit to Another</li> <li>▪ Addition of Weights</li> <li>▪ Subtraction of Weights</li> <li>▪ Multiplication of Weight by Number</li> <li>▪ Multiplication of Weight by a Number (Alternate Method)</li> <li>▪ Division of Weight</li> <li>▪ Measurement of Capacity</li> <li>▪ Converting Capacity from One Unit to Another</li> </ul>

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	<ul style="list-style-type: none"> <li>▪ Addition of Capacities</li> <li>▪ Subtraction of Capacities</li> <li>▪ Multiplication of Capacity by a Number</li> <li>▪ Multiplication of Capacity by a Number (Alternate Method)</li> <li>▪ Division of Weight</li> </ul>	<ul style="list-style-type: none"> <li>▪ Addition of Capacities</li> <li>▪ Subtraction of Capacities</li> <li>▪ Multiplication of Capacity by a Number</li> <li>▪ Multiplication of Capacity by a Number (Alternate Method)</li> <li>▪ Division of Weight</li> </ul>
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PHASE 4			
Ch. No.	Chapter Name	Subtopics	YE portion
			<b>Total Marks: 50</b> <b>Duration: 2 hours</b>
		▪	PT2 portion is included
10	Perimeter, Area and Volume	<ul style="list-style-type: none"> <li>▪ Perimeter</li> <li>▪ Area</li> <li>▪ Volume of a Solid</li> </ul>	<ul style="list-style-type: none"> <li>▪ Perimeter</li> <li>▪ Area</li> <li>▪ Volume of a Solid</li> </ul>
11	Money	<ul style="list-style-type: none"> <li>▪ Cost Price and Selling Price; Profit or Loss</li> <li>▪ Finding Cost Price (CP)</li> <li>▪ Finding Selling Price (SP)</li> </ul>	<ul style="list-style-type: none"> <li>▪ Cost Price and Selling Price; Profit or Loss</li> <li>▪ Finding Cost Price (CP)</li> <li>▪ Finding Selling Price (SP)</li> </ul>
12	Time	<ul style="list-style-type: none"> <li>▪ Adding Time</li> <li>▪ When time is given in Minutes and Seconds</li> <li>▪ Subtraction of Time</li> <li>▪ Calculating the Time</li> </ul>	<ul style="list-style-type: none"> <li>▪ Adding Time</li> <li>▪ When time is given in Minutes and Seconds</li> <li>▪ Subtraction of Time</li> <li>▪ Calculating the Time</li> </ul>
13	Temperature	<ul style="list-style-type: none"> <li>▪ Temperature</li> <li>▪ Scales for Measuring Temperature</li> <li>▪ Conversion from Fahrenheit (F) to Celsius (C)</li> <li>▪ Conversion from Celsius (C) to Fahrenheit (F)</li> <li>▪ Kelvin Temperature Scale</li> </ul>	<ul style="list-style-type: none"> <li>▪ Temperature</li> <li>▪ Scales for Measuring Temperature</li> <li>▪ Conversion from Fahrenheit (F) to Celsius (C)</li> <li>▪ Conversion from Celsius (C) to Fahrenheit (F)</li> <li>▪ Kelvin Temperature Scale</li> </ul>
14	Data Handling	<ul style="list-style-type: none"> <li>▪ Bar Graph</li> </ul>	<ul style="list-style-type: none"> <li>▪ Bar Graph</li> </ul>