

**CLASS - VII**

<b>CLASSES REQUIRED</b>	20
<b>TOPIC</b>	RATIONAL NUMBERS
<b>CONCEPT &amp; SKILLS</b>	<p>Introduction of numbers, Natural numbers , whole numbers , Integers ,Positive rational numbers , negative rational numbers , Representation of rational numbers on a number line , Standard form of a rational number , Absolute value of a rational number , Equivalent rational number , Comparison of rational numbers , Ex.3.1</p> <p>Addition of rational numbers , Subtraction of rational numbers , Multiplication of rational numbers , Division of rational numbers Ex. 3.2 , Rational numbers as decimals , Terminating and non – terminating decimals , Rule to find terminating or non- terminating repeating decimals , Conversion of non – terminating repeating decimals into rational numbers , Word problems , Ex. 3.3</p>
<b>LEARNING OUTCOMES</b>	<p>Students will understand the need of rational numbers.</p> <p>They will represent rational numbers on a number line.</p> <p>They will understand standard form and absolute value of a rational number.</p> <p>They will be able to find terminating and non- terminating decimals.</p>
<b>INSTRUCTIONAL TOOLS &amp; REFERENCES</b>	<p>Text book</p> <p>Number line</p>
<b>PEDAGOGY</b>	<p>Discussion</p> <p>Need for rational numbers ( Positive and negative rational numbers)</p> <p>Plot some rational numbers on a number line</p> <p>What do you mean by standard and absolute value of a rational number.</p> <p>Need for converting decimals into rational numbers</p>
<b>ACTIVITY / ASSIGNMENT / RESEARCH</b>	<p>WORKSHEET</p> <p>Based on entire chapter rational numbers</p>
<b>ASSESSMENT</b>	Short class test based on individual text exercises
<b>SYLLABUS FOR FORMATIVE &amp; SUMMATIVE ASSESSMENT</b>	<p>Grouping ( Lab. Activity and worksheet)</p> <p>PPT and MCQ</p> <p>Individual base ( Oral and Board test)</p>