

Class- VII
Subject Mathematics
Term Wise Syllabus
Academic Session 2009-2010

1st Terminal

Chapter 1: Integers

Chapter 2: Fractions and Decimals

Chapter 3: Data Handling

Chapter 4: Simple Equations

Chapter 5: Lines and Angles

Chapter 14: Symmetry

2nd Terminal

Chapter 6: The Triangle and its Properties

Chapter 7: Congruence of Triangles

Chapter 8: Comparing Quantities

Chapter 9: Rational Numbers

Chapter 10: Practical Geometry

3rd Terminal

Chapter 11: Perimeter and Area

Chapter 12: Algebraic Expressions

Chapter 13: Exponents and Powers

Chapter 15: Visualizing solid shapes

**Weekly Syllabus Break-up For the Academic Session 2008-2009
FIRST TERM**

MONTH /WEEK	DATES	DAYS	CHAPTER/ TOPICS	DETAILS
APRIL				
I WEEK	1-4	3	Chapter 1 Integer Ex:1.1-1.2	Introduction properties of addition and subtraction of integers.
II WEEK	6-11	3	Ex:1.2-1.3	Properties of multiplication, properties of division.
III WEEK	13-18	6	EX-1.4 Chapter 2:Fraction and decimals Ex::2.1-2.3	Introduction multiplication of fraction by whole numbers and by fractions. Division of fraction by whole numbers and by fractions, division of whole numbers by fractions
IV WEEK	20-25	6	Ex:2.4-2.6	Decimals numbers Multiplication of decimals numbers Multiplication of decimals numbers by Ten, Hundred and Thousand
V WEEK	27-30	3	Ex:-2.6,2.7	Division of decimals numbers by whole numbers
MAY AND JUNE	1.5.2009— 30.6.2009	SUMMER VACATION		
JULY				
1 ST WEEK	1-4	4	Chapter 3:- Data Handling Ex:3.1-3.2	Introduction arithmetic mean, range, mode, median.
II WEEK	6-11	5	Ex:-3.3, 3.4	Bar graph Chance and probability
III WEEK	13-18	6	Chapter 4: Simple Equations Ex:-4.1, 4.2	Introduction Formation of equation from statement and statement from equation.
IV WEEK	20-25	6	Ex:4.3-4.4	Solving an equation by transposing and by adding or subtracting On both sides and application of simple equation to practical situation s.

V WEEK	27-31 July and 1 st August	5	Chapter 5 Ex:-5.1,5.2 Lines and Angles	Related angles, complimentary angles. Supplementary angles, linear pair, vertically opposite angles, pair of lines, intersecting, lines and transversals.
AUGUST				
II WEEK	03-08	5	Ex: 5.2	
IIIWEEK	10-15	4	Chapter-14 Symmetry Ex:14.1, 14.2	Symmetry, lines of symmetry for regular polygon, Rotational symmetry
IV WEEK	17-22	6	Ex.14.3	Rotational symmetry, lines of symmetry
VWEEK	24-29 and 31 st August	6	Revision	Related activities from chapter 14
SEPTEMBER				
I WEEK	1-5	4	4 th September 1 st CCEP Exam	Revision
II WEEK	7-9	3		Revision
III WEEK	10-18	1 st Terminal Examination		
IV WEEK	19-28	AUTUMN BREAK		
OCTOBER				
I WEEK	29 Sept. to 3 rd October	3	Chapter 6: Triangle and its properties Ex: -6.1	Triangle and its properties, Introduction, median, altitude.
II WEEK	5-10	5	Ex 6.2 to 6.3	Exterior angle property of triangle, Angles sum property of triangle, sum of any two sides of a triangle is always greater than the third side.
III WEEK	12-17	5	Ex.6.4, 6.5	Right angled triangular and Pythagoras properties

IV WEEK	19-24	6	Chapter 7 Congruency of triangles Ex:-7.1, 7.2	Introduction SSS and SAS Congruency
V WEEK	26-31	5	Chapter 7: Ex:7.2	ASA and RHS congruency
NOVEMBER				
I WEEK	2-7	5	Chapter 8 Comparing Quantities Ex:8.1	Equivalent ratios
II WEEK	9-14	5	Ex:8.2,8.3	Percentage Converting decimal to percentage, converting percentage to how many increase or decrease as percentage, profit and lose , simple interest
III WEEK	16-21	6	Chapter 9 Rational Numbers Ex:9.2 Ex:9.1	Introduction, equivalent rational number, rational number of number lines , comparison of rational number between two rational number Operation of rational number addition, additive inverse, subtraction, multiplication, division
IV WEEK	23-30	6	Chapter 10 Practical Geometry Ex:-10.1, 10.2, 10.3	Introduction, construction of a line parallel to given point and given line, construction of triangle SSS criterion SAS criterion
DECEMBER				
I WEEK	1-5	5	Ex:-10.4,10.5	ASA,RHS criterion
II WEEK	7-12, 14	5	Revision	11,DEC2ND CCEP EXAM
III WEEK	15-22	Second Terminal Exam.		
IV WEEK	23-24	1	Question Paper Discussion	
WINTER BREAK 25-31 December				
THIRD TERM				

JANUARY 2010 I WEEK	1-2	2	Chapter 11 Perimeter and Area Ex:- 11.1	Area of parallelogram
II WEEK	4-9	5	Ex:11.2,11.3	Area of triangle circumferences of the circle, area of the circle, Application of area and perimeter
III WEEK	11-16	6	Ex:11.4 Chapter 12 Algebraic Expressions Ex:-12.1 Ex:-12.2	. introduction how are expressions form, Terms of an expressions, factors of a term, coefficients, like and unlike terms, Monomials, Binomials, trinomials and polynomials, Addition and subtraction of algebraic expressions.
IV WEEK	18-23	6	Ex:-12.3 Ex:-12.4	Adding and subtracting general algebraic expressions, Finding the value of an expressions. Using algebraic expression- formulas and rules
V WEEK	25-30	4	Chapter 13 Exponent and power Ex:-13.1	Law of exponent, decimal number system,
FEBRUARY				
I WEEK	1-6	6	Ex:-13.2 Ex:-13.3 Chapter 15 Visualising solid shapes Ex:-15.1	Expressing large number in standard form. Introduction,
II WEEK	8-13	5	Ex:-15.2 Ex:-15.3 Ex:-15.4	Drawing solids on a flat surface
III WEEK	15-20	6	Revision	
IV WEEK	22-27	5	Revision	
MARCH ANNUAL EXAM				

ANNOUNCEMENT OF RESULT: - 31/03/2009

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