Academic Planner 2019-20

Sub: Mathematics - V

Date	Торіс	Assignments	Activity/Teaching Technique
		/ Homework	
April 1-15th April (11 days)	Unit-1 LARGE NUMBERS Introducing 7- and 8-digit numbers Face value and place value Numeration system Numbers in expanded form Predecessor and successor Comparing numbers Forming numbers Rounding off numbers Roman numerals Mental Maths Maths around us	Ex 1.1 -1.7 Pg-25 Pg- 26	Lab activity – To understand concept of rounding off to nearest 100
16-30th April (11 days)	Unit-2 FUNDAMENTAL OPERATIONS Addition of 6- and 7-digit numbers Subtraction of 6- and 7-digit numbers Multiplication Multiplication by 10 and their multiples Lattice Multiplication Division Bodmas Problem solving skills Estimating operations on numbers Read and interpret Mental Maths Maths around us	Ex 2.1 -2.8 Pg- 48 Pg- 49	Lab actívity – To explore multiplication using Russian Peasant multiplication method.
May 1-15th May (11 days)	Unit- 3 FACTORS AND MULTIPLES Factors Even and odd number Test of divisibility Prime and composite numbers Highest common factor (HCF) Multiples Lowest common multiple (LCM) Application of HCF and LCM Mental Maths Maths around us	Ex 3.1 – 3.7 Pg- 69 Pg- 70	

July 1-15th July (12 days)	Unit- 4 FRACTIONS Equivalent fractions Mixed fractions Comparing and ordering fractions Reducing fractions to the lowest terms Addition and subtraction of unlike fractions Addition and subtraction of mixed fractions	Ex 4.1-4.4	Lab activity – To find the LCM of 2 numbers using a 10 by 10 number grid.
16-31st July (14 days)	FRACTIONS Multiplication of fractions Division of fractions Word problems Maths around us Revision of UT 1	Ex 4.5- 4.7 Pg - 91	Lab activity – To work practically with multiplication of fractions. UT 1 ACTIVITY : 1. Concept (U 1,2) 2. Mathematical Interpretation (U 1,2) 3. Mental Maths (U 1,2) 4. Problem Solving and Procedural Skill (U 1,2)
August 1-15th August (10 days)	UNIT 6 GEOMETRY Recalling basic geometrical concepts Plane Relationship between points and lines Angle Measuring angle Constructing angles Types of lines Polygons Circles Maths around us Unit- 8 MONEY The unitary method Profit and loss Finding the cost price and selling price	Ex 6.1 – 6.7 Pg - 138 Ex 8.1 -8.2	Lab activity – To understand types of angles using ice-cream sticks.

16-31st August			
(13 days)	Unit – 5		
	DECIMALS	Ex 5.1-5.4	
	Decimals		
	Converting fractions into decimals		
	Place value and decimal		
	Converting decimals into fractions		
	Expanded form of decimals		
	Like and unlike decimals		
	Comparing and ordering of decimals		
September	Revision of Half Yearly Exams		Assessment
1-15th			1. Concept (U 3,4,6 and 8)
September			2. Mathematical Interpretation
(10 uays)			(U 3,4,6 and 8)
			3. Mental Maths (U 3,4,6 and 8)
			4. Problem Solving and Procedural
16-30th	Half Yearly Exams		
September (13 days)			
October			
1-15th October	Addition and subtraction of decimals		
(6 days)	Multiplication of decimals		Lab activity – To understand
	Division of decimals	Ex 5.5 – 5.8	fractions and percentages through
			decimals.
16-31 st	Percentage- an introduction	Ex 5.9 – 5.10	Lab activity -To reinforce the
October	Finding the percentage of a whole		concept of measurement of
(11 days)	Using percentage	Pg- 113	different objects.
	To do	Pg - 115	
	Maths around us		
	Linit 7		
	MEASUREMENT	Ex 7.1 – 7.3	
	The metric measures		
	Conversion of lower units to higher units		
	Conversion of higher units to ligher units		
	Expressing metric units in decimal form		
November	Fundamental operations on metric measures	Ex 7.4	UT 2 ACTIVITIES :
1-15th			1. Concept (U 5,7)
(11 days)			2. Mathematical Interpretation (U
(11 00 3)	Revision of UT 2		5,7)
			3. Mental Maths (U 5,7)
			4. Problem Solving and Procedural
			Skill (U 5,7)

16-30th November (13 days)	Unit – 9 TIME Converting bigger units of time into smaller units Converting smaller units of time into bigger units	Ex 9.1-9.2	
December 1-15th December (11 days)	The 24- hour clock Addition and subtraction of time Remembering days Using a calendar	Ex 9.3 – 9.4	Lab activity – Tambola game for conversion of 12-hr format to 24-hr format and vice versa.
16-31st December (13days)	Calculating days Mental Maths Maths around us Unit - 10 SYMMETRY Symmetry Symmetry in plane shapes Reflection and symmetry Tessellation Slides, Flips and turns Patterns in numbers Patterns in sequence of numbers Patterns in sequence of numbers To do	Ex- 9.5 Pg- 174 Pg - 176 Ex 10.1- 10.5 Pg - 192	Lab actívíty – Discovering symmetry in decorative objects.
January 1-15th January	Winter Vacations		
16-31st January (14 days)	Unit – 11 PERIMETER, AREA AND VOLUME Rectilinear figure Area Area of figures when whole squares are not covered Volume Unit 12 DATA HANDLING Data collection Bar graph	Ex 11.1-11.4 Ex 12.1- 12.2	Lab activity – To measure and compare the circumference of coins of different denominations. Lab activity – Newspaper activity on Bar Graph

February 1-15th February (12 days)	Revision of Final Exams	Assessment 1. Concept (U 9- 12) 2. Mathematical Interpretation (U 9- 12) 3. Mental Maths (U 9- 12) 4. Problem Solving and Procedural Skill (U 9-12)
16-28th February	Final Exams	
(11 days)		

Maths Syllabus of Examination (2019-2020)

UT 1	Half Yearly Exams	UT 2	Final Exams
Unit 1 Large numbers	Unit 3 Factors and Multiples	Unit 5 Decimals	Unit 9 Time
Unit 2 Fundamental operations	Unit 4 Fractions	Unit 7 Measurement	Unit 10 Symmetry
	Unit 6 Geometry		Unit 11 Perimeter, Area and Volume
	Unit 8 Money		Unit 12 Data handling