

Online Class Program (OCP)

Mathematics Road Map for Term-I (2020-2021) wef.01 jul 2020

DATE	X		IX		VIII		VII			
	TOPIC	SUB-TOPIC	TOPIC	SUB-TOPIC	TOPIC	SUB-TOPIC	TOPIC	SUB-TOPIC		
1-Jul-20	Periodic Test-1	Revision Term-1	Periodic Test-1	Revision	Periodic Test-1	Revision	Periodic Test-1	Revision		
2-Jul-20		Revision Term-1		Revision		Revision		Revision		
3-Jul-20		Revision Term-1		Revision		Revision		Revision		
4-Jul-20		Revision Term-1		Revision		Revision		Revision		
5-Jul-20										
6-Jul-20		Revision Term-1		Revision		Revision		Revision		
7-Jul-20		Revision Term-1		5. INTRODUCTION TO EUCLID'S GEOMETRY		5.1 Introduction		Revision	Revision	
8-Jul-20	Arithmetic Progressions	5.1 Introduction	5.2 Euclid's Definitions,		5.1. Looking for	Revision	Revision			
9-Jul-20		5.2 Arithmetic Progressions	5.2 Euclid's Definitions, Axioms and Postulates			5.2. Organising Data	Lines and Angles	Line, Line Segment, Ray		
10-Jul-20		5.2 Arithmetic Progressions	Exercise: 5.1			5.3. Grouping Data, 5.3.1. Bars with a difference		Angles- Complimentary, Supplementary		
11-Jul-20		5.3 nth Term of an AP	Exercise: 5.1			Exercise : 5.1		Adjacent angles, Linear Pair		
12-Jul-20										
13-Jul-20		5.3 nth Term of an AP	5.3 Equivalent Versions of Euclid's Fifth Postulate			Exercise : 5.1		Vertically Opposite Angle, Exercise Problems		
14-Jul-20		5.4 Sum of First n Terms of an AP	Exercise :5.2			5.4 Circle Graph or Pie Chart		Intersecting Lines, Transversal		
15-Jul-20		5.4 Sum of First n Terms of an AP	6. LINES AND ANGLES			6.1 Introduction 6.2 Basic Terms and Definitions 6.3 Intersecting Lines and Non-intersecting Lines 6.4 Pairs of Angles		5. Data Handling	Exercise : 5.2	Angles Made by Transversal, Transversal OF Parallel Lines
16-Jul-20		Arithmetic Progressions- Summary				Exercise : 6.1			Exercise : 5.2	Exercise on Transversal and Angles by Transversal
17-Jul-20		Triangles		6.1 Introduction		Exercise : 6.1			5.5. Chance and Probability	Properties

18-Jul-20	6.2 Similar Figures		Exercise : 6.1	5.5. Chance and Probability	The Triangle and it	Exercise on Median, Altitude of a Triangle	
19-Jul-20							
20-Jul-20	Basic Proportionality Theorem		6.5 Parallel Lines and a Transversal 6.6 Lines Parallel to the same Line	Exercise : 5.3		Exterior Angle Property	
21-Jul-20	Converse of Basic Proportionality		Exercise : 6.2	6. Squares and Square Roots		6.1. Introduction	Exercise on Exterior Angle
22-Jul-20	Exercise On BPT and Converse		Exercise : 6.2			6.3. Some More Interesting Patterns	Angle Sum Property
23-Jul-20	6.3 Similarity of Triangles		Exercise : 6.2			Exercise : 6.1	Exercise On Angle sum Property
24-Jul-20	6.3 Similarity of Triangles		6.7 Angle Sum Property of a Triangle 6.8 Summary			6.4. Finding the Square of Number	Special Triangles- Equilateral and Isosceles
25-Jul-20	Exercise On Similarity of Triangles		Exercise : 6.3			Exercise : 6.2	Sum of the Lengths of two sides of a triangle
26-Jul-20							
27-Jul-20	Exercise On Similarity of Triangles		Exercise : 6.3	6.5. Square Roots		Right Angled Triangles and Pythagoras Property	
28-Jul-20	Exercise On Similarity of Triangles		Exercise : 6.3	Exercise : 6.3	Exercise on Pythagoras Property		
29-Jul-20	Exercise On Similarity of Triangles	7. TRIANGLES	7.1 Introduction 7.2 Congruence of Triangles 7.3 Criteria for Congruence of Triangles	Exercise : 6.3	Congruence of Triangles	Congruence of Plane Figures, Line segments	
30-Jul-20	Exercise On Similarity of Triangles		7.1 Introduction 7.2 Congruence of Triangles 7.3 Criteria for Congruence of Triangles	6.6. Square Roots of Decimals 6.7. Estimating Square Root		Congruence of Angles, Triangles	
31-Jul-20	Exercise On Similarity of Triangles		Exercise : 7.1	Exercise : 6.4		Exercise on congruence	
1-Aug-20							
2-Aug-20							

3-Aug-20		6.4 Criteria for Similarity of Triangles 129	Exercise : 7.1		Exercise : 6.4	Criteria for Congruence of Triangles-SSS,SAS	
4-Aug-20		6.5 Areas of Similar Triangles 141	Exercise : 7.1	7. Cubes and Cube Roots	7.1. Introduction 7.2. Cubes	Criteria for Congruence of Triangles-ASA,RHS	
5-Aug-20		Exercise Problwms	Exercise : 7.1		Exercise : 7.1	Exercise Problems On Congruence of Triangles	
6-Aug-20		6.6.Pythagoras Theorem & its converse	7.4 Some Properties of a Triangle		7.3. Cube Roots	Exercise Problems On Congruence of Triangles	
7-Aug-20		Exercise Problems on Pythagoras and its converse	Exercise : 7.2		Exercise : 7.2	Comparing Quantities	Equivalent Ratios
8-Aug-20		Exercise Problems on Pythagoras and its converse	Exercise : 7.2		Exercise : 7.2		Exercise on Equivalent Ratios
9-Aug-20							
10-Aug-20		6.7 Summary	Exercise : 7.2			Exercise : 7.2	Percentages
11-Aug-20							
12-Aug-20	Co-Ordinate Geometry	Introduction	7.5 Some More Criteria for Congruence of Triangles	8. Comparing Quantities	8.1. Recalling Ratios and Percentage	Converting Fractional Numbers to Percentages and Percentages to Fractions and Decimals	
13-Aug-20		Distance Formula	Exercise : 7.3		Exercise : 8.1	Exercise Problems on Conversion of Percentages	
14-Aug-20		Exercise On Distance Formula	Exercise : 7.3		Exercise : 8.1	Increase or Decrease Percentages	
15-Aug-20							
16-Aug-20							
17-Aug-20		Exercise On Distance Formula	7.6 Inequalities in a Triangle	8.2. Finding the Increase or Decrease Per Cent	Profit or Loss as Percentages		
18-Aug-20		Section Formula	Exercise : 7.4	8.3. Finding Discounts	Simple Interest		
19-Aug-20		Exercise On	Exercise : 7.4	8.4. Prices	Exercise on		

20-Aug-20		Exercise On Section Formula	8. QUADRILATERALS	8.1 Introduction 8.2 Angle Sum Property of a Quadrilateral 8.3 Types of Quadrilaterals	8.5. Sales Tax/ Value Added Tax	Rational Numbers	Need For Rational Numbers, Introduction to Rational Numbers	
21-Aug-20		7.4 Area of a Triangle		Exercise : 8.1	Exercise : 8.2		Equivalent Rational Numbers	
22-Aug-20		Exercise On Area of Triangle		Exercise : 8.1	Exercise : 8.2		Positive and Negative Rational Numbers	
23-Aug-20								
24-Aug-20		Summary		Exercise : 8.1	8.6. Compound Interest		Rational Numbers on Number Line, Rational Numbers in standard Form	
25-Aug-20	CIRCLES	Introduction		8.6 The Mid-point Theorem	8.7. Deducing a Formula for Compound Interest		Comparing Rational Numbers	
26-Aug-20		Tangent to a Circle		8.6 The Mid-point Theorem	8.8. Rate Compounded Anually or Half Yearly 8.9. Applications of Compound Interest Formula		Rational Numbers Between Two Rational Numbers	
27-Aug-20		Number of Tangents from a Point on a Circle		Exercise : 8.2	Exercise : 8.3		Exercise on Rational Numbers	
28-Aug-20		Theorem on perpendicular from Radius		Exercise : 8.2	Exercise : 8.3		Operations On Rational Numbers	
29-Aug-20		Exercise on Perpendicular Line		Exercise : 8.2	9.1. What are Expressions? 9.2. terms, Factors and		Properties of Rational Numbers	
30-Aug-20								
31-Aug-20			Theorem on Lengths of Tangents Drawn		Exercise : 8.2	9.5. Addition and Subtraction of		Properties of Rational Numbers
1-Sep-20			Exercise On Lengths of Tangents Drawn	AND TRIANGLES	9.1 Introduction 152 9.2 Figures on the	9.6. Multiplication of Algebraic		Exercise on Properties of Rational
2-Sep-20			Summary		Exercise 9.1	Exercise : 9.2	erm-1	Integers
					9. Algebraic Expressions and Identities			

3-Sep-20	Constructions	Introduction	9. AREAS OF PARALLELOGRAMS A	9.3 Parallelogramms on the same Base and between the same Parallels	9.8. Multiplying a Monomial by a Polynomial	Revision for T	Fractions
4-Sep-20		Division of a Line Segment		9.3 Parallelogramms on the same Base and between the same Parallels	Exercise : 9.3		Decimals
5-Sep-20		Construction of Similar Triangles		Exercise 9.2	9.9. Multiplying a Polynomial by a Polynomial		Data Handling
6-Sep-20							
7-Sep-20		Construction of Similar Triangles		Exercise 9.2	Exercise : 9.4		Simple Equarions
8-Sep-20		Construction of Cicles		9.4 Triangles on the same Base and between the same Parallels	9.10. What is an Identity? 9.11. Standard Identities 9.12. Applying Identities		Lines and Angles
9-Sep-20		Construction of Tangents from External Points		Exercise 9.3	Exercise : 9.5		Lines and Angles
10-Sep-20		Construction of Tangents from External Points		Exercise 9.3	Exercise : 9.5		Triangle and its properties
11-Sep-20		Summary		Exercise 9.3	Exercise : 9.5		Triangle and its properties
12-Sep-20		Revision		Revision Term-1	Exercise 9.4 (optional)		Exercise : 9.5
13-Sep-20							
14-Sep-20	Revision Term-1		Exercise 9.4 (optional)	Revision	Congruence of Triangles		
15-Sep-20	Revision Term-1		Exercise 9.4 (optional)	Revision	Rational Numbers		