Subject: Mathematics

CBSE - 2023-24

	PHASE 1				
Ch. No.	Chapter Name	Subtopics	PT1 portion		
			Total Marks: 80Duration: 3 hours		
1	Number Systems	1.1 Introduction	1.1 Introduction		
		1.2 Irrational Numbers	1.2 Irrational Numbers		
		1.3 Real Numbers and their Decimal Expansions	• 1.3 Real Numbers and their Decimal Expansions		
		 1.4 Operations on Real Numbers 	1.4 Operations on Real Numbers		
		 1.5 Laws of Exponents for Real Numbers 	 1.5 Laws of Exponents for Real Numbers 		
2	Polynomials	2.1 Introduction	2.1 Introduction		
		2.2 Polynomials in One Variable	2.2 Polynomials in One Variable		
		 2.3 Zeroes of a Polynomial 	2.3 Zeroes of a Polynomial		
		 2.4 Factorisation of Polynomials 	2.4 Factorisation of Polynomials		
		2.5 Algebraic Identities	2.5 Algebraic Identities		
3	Coordinate geometry	3.1 Introduction	3.1 Introduction		
	_	• 3.2 Cartesian System	3.2 Cartesian System		

Subject: Mathematics

CBSE – 2023-24

PHASE 2				
Ch. No.	Chapter Name	Subtopics	PT2 portion	
			Total Marks: 80Duration: 3 hours	
			PT1 portion is included	
4	Linear equations in two	4.1 Introduction	4.1 Introduction	
	variables	• 4.2 Linear Equations	• 4.2 Linear Equations	
		• 4.3 Solution of a Linear Equation	• 4.3 Solution of a Linear Equation	
6	Lines and Angles	6.1 Introduction	6.1 Introduction	
		6.2 Basic Terms and Definitions	6.2 Basic Terms and Definitions	
		6.3 Intersecting Lines and Non-Intersecting Lines	6.3 Intersecting Lines and Non-Intersecting Lines	
		• 6.4 Pairs of Angles	• 6.4 Pairs of Angles	
		• 6.5 Lines Parallel to the same Line	• 6.5 Lines Parallel to the same Line	
7	Triangles	7.1 Introduction	7.1 Introduction	
		7.2 Congruence of Triangles	7.2 Congruence of Triangles	
		7.3 Criteria for Congruence of Triangles	7.3 Criteria for Congruence of Triangles	
		7.4 Some Properties of a Triangle	• 7.4 Some Properties of a Triangle	
		• 7.5 Some More Criteria for Congruence of Triangles	• 7.5 Some More Criteria for Congruence of Triangles	

Subject: Mathematics

CBSE - 2023-24

	PHASE 3				
	Ch. No.	Chapter Name	Subtopics	PT3 portion	
				Total Marks: 80 Duration: 3 hours	
-				PT1 and PT2 portions are included	
Ī	5	Introduction to Euclid's	5.1 Introduction	• 5.1 Introduction	
		Geometry	 5.2 Euclid's Definitions, Axioms and Postulates 	• 5.2 Euclid's Definitions, Axioms and Postulates	
-	8	Quadrilaterals	8.1 Properties of a Parallelogram	8.1 Properties of a Parallelogram	
			8.2 The Mid-point Theorem	8.2 The Mid-point Theorem	
_	9	Circles	 9.1 Angle Subtended by a Chord at a Point 	 9.1 Angle Subtended by a Chord at a Point 	
			 9.2 Perpendicular from the Centre to a Chord 	 9.2 Perpendicular from the Centre to a Chord 	
			 9.3 Equal Chords and their Distances from the Centre 	• 9.3 Equal Chords and their Distances from the Centre	
_			 9.4 Angle Subtended by an Arc of a Circle 	 9.4 Angle Subtended by an Arc of a Circle 	
			 9.5 Cyclic Quadrilaterals 	• 9.5 Cyclic Quadrilaterals	
	10	Heron's Formula	10.1 Area of a Triangle – by Heron's Formula	10.1 Area of a Triangle – by Heron's Formula	

Subject: Mathematics

CBSE - 2023-24

PHASE 4				
Ch. No.	Chapter Name	Subtopics	YE portion	
			Total Marks: 80Duration: 3 hours	
			PT1, PT2 and PT3 portions are included	
11	Surface areas and	11.1 Surface Area of a Right Circular Cone	11.1 Surface Area of a Right Circular Cone	
	Volumes	11.2 Surface Area of a Sphere	• 11.2 Surface Area of a Sphere	
		11.3 Volume of a Right Circular Cone	• 11.3 Volume of a Right Circular Cone	
		• 11.4 Volume of a Sphere	• 11.4 Volume of a Sphere	
12	Statistics	12.1 Graphical Representation of Data	12.1 Graphical Representation of Data	