Bal Bharati PUBLIC SCHOOL

COMMON ANNUAL EXAMINATION (2024-2025)

SYLLABUS

CLASS: VIII   **SUBJECT: MATHEMATICS**

TEXTBOOKS:
1. MATHEMATICS FOR CLASS VIII; BY NCERT
2. MATHEMATICS EXEMPLAR PROBLEMS FOR CLASS VIII; BY NCERT

S.NO.	UNIT/CHAPTER /TOPIC	SUBTOPICS	WEIGHTAGE (MARKS)
1.	CHAPTER 2: LINEAR EQUATIONS IN ONE VARIABLE	• Solving Linear Equations with Variable on both Sides • Reducing equations to simpler form	4
2.	CHAPTER 3: UNDERSTANDING QUADRILATERALS	• Exterior Angles of a Polygon • Kinds of Quadrilaterals • Some Special Parallelogram	4
3.	CHAPTER 4: DATA HANDLING	• Circle graph • Chance and probability	4
4.	CHAPTER 7 : COMPARING QUANTITIES	• Ratios and Percentages • Discounts • Sales Tax /Value added Tax • Compound Interest • Deducing formula for compound interest	8
5.	CHAPTER 8: ALGEBRAIC EXPRESSION AND IDENTITIES	• Addition and Subtraction of algebraic expressions • Multiplication of algebraic expressions	7
6.	CHAPTER 9: MENSURATION	• Area of a Polygon • Solid shapes Surface Area of Cube, Cuboids and cylinder • Volume of cube, cuboids and cylinder	8

7.	CHAPTER 10: EXPONENTS AND POWERS	• Powers with negative exponents • Standard form of a number	6
8.	CHAPTER 11: DIRECT AND INVERSE PROPORTIONS	• Direct proportion • Inverse Proportion	4
9.	CHAPTER 12: FACTORISATION	• Factors and Factorisation • Factorisation using Identities • Division of Algebraic Expressions	9
10.	CHAPTER 13 : INTRODUCTION TO GRAPHS	• Line graph • Reading of Line graphs • Applications	6
			TOTAL MARKS= 60