



**BLOOM PUBLIC SCHOOL**  
**C-8 Vasant Kunj, New Delhi**  
**Syllabus for the Session 2026-27**

**Class: VII**

**Subject: MATHEMATICS**

**SYLLABUS SESSION 2026-27**

| <b>MONTH</b>  | <b>CHAPTER<br/>( NCERT Text Book)</b>                    | <b>CONTENT</b>                                                                                                                    | <b>ACTIVITIES/PRACTICALS</b>                |
|---------------|----------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------|
| <b>April</b>  | <b>CH-1: Large numbers around us (Part-I)</b>            | 1. Large numbers<br>2. Comparing large numbers                                                                                    | <b>Activity 1-</b> Millionaire Budgeting    |
|               | <b>CH-2: Arithmetic expressions (Part-I)</b>             | 1. Comparing Expressions<br>2. Evaluating Complex Expressions<br>3. Commutative and distributive properties                       | <b>Activity 2-</b> Switch It Up!            |
| <b>May</b>    | <b>CH-3: A peek beyond the point (Part-I)</b>            | 1. Using decimal point<br>2. Comparing decimal numbers<br>3. Add and subtract decimal numbers                                     | <b>Activity 3-</b> Decimal Detectives       |
|               | <b>CH-4: Expressions using letter-numbers (Part-I)</b>   | 1. Mathematical relationships between quantities<br>2. Advantages of Algebra                                                      | <b>Activity 4-</b> Algebra Bingo            |
| <b>July</b>   | <b>CH-5: Parallel and intersecting lines (Part-I)</b>    | 1. Linear pair of angles<br>2. Parallel lines<br>3. Transversal<br>4. Corresponding angles<br>5. Alternate angles                 | <b>Activity 5-</b> Angle Chase              |
|               | <b>CH-6: Number Play (Part-I)</b>                        | 1. Representing information without actually knowing the numbers                                                                  | <b>Activity 6-</b> Target Number Game       |
| <b>August</b> | <b>CH-7: A tale of three intersecting lines (Part-I)</b> | 1. Condition for construction of triangles<br>2. Angle-sum property of triangle<br>3. Classification of triangles based on angles | <b>Activity 7-</b> Exterior Angle Detective |
|               | <b>CH-8: Working with Fractions (Part-I)</b>             | 1. Multiplication and division of fractions                                                                                       | <b>Activity 8-</b> “Baking a Cake”          |

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|------------------|--------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------|
| <b>September</b> | <b>Revision for Mid-term exam</b>                                                                      |                                                                                                                                                                                                                                                                                              |                                                               |
| <b>October</b>   | <b>CH-1: Geometric Twins (Part-II)</b>                                                                 | 1. Congruence of Triangles<br>2. Conventions to Express Congruence<br>3. SAS (Side Angle Side) condition for congruence<br>4. ASA (Angle Side Angle) condition for congruence<br>5. SSS (Side Side Side) condition for congruence<br>6. RHS (Right Hypotenuse Side) condition for congruence | <b>Activity 9-</b> Triangle Congruency Test Lab               |
|                  | <b>CH-2: Operations with Integers (Part-II)</b>                                                        | 1. Multiplication of integers<br>2. Division of integers                                                                                                                                                                                                                                     |                                                               |
| <b>November</b>  | <b>CH-3: Finding Common Ground (Part-II)</b>                                                           | 1. Factors of a Number Using Prime Factorisation<br>2. Finding the HCF of numbers using Prime Factorisation<br>3. Finding LCM through Prime Factorisation<br>4. Division method for finding HCF and LCM of numbers<br>5. Relation between HCF and LCM                                        | <b>Activity 10-</b> The Prime Factorization "Building Blocks" |
|                  | <b>CH-4: Another Peek Beyond the Point (Part-II)</b>                                                   | 1. Multiplication of decimals<br>2. Division and division                                                                                                                                                                                                                                    |                                                               |
| <b>December</b>  | <b>CH-5: Connecting the Dots... (Part-II)</b>                                                          | 1. Average or Arithmetic Mean<br>2. Median of a sorted data<br>3. Range of data<br>4. Bar graph                                                                                                                                                                                              | <b>Activity 11-</b> A Magic Trick                             |
|                  | <b>CH-7: Finding The Unknown (Part-II)</b>                                                             | 1. Solving equation by trial and error method<br>2. Solving equation by transposing                                                                                                                                                                                                          |                                                               |
| <b>January</b>   | <b>CH-7: Finding The Unknown(contd.) (Part-II)</b><br><b>CH-6: Constructions and Tilings (Part-II)</b> | 1. Construction of angle bisector and perpendicular bisector, $90^\circ$ and $60^\circ$ angles.<br>2. Tiling                                                                                                                                                                                 | <b>Activity 12-</b> Tile the Plane!                           |
| <b>February</b>  | <b>Revision for Annual exam</b>                                                                        |                                                                                                                                                                                                                                                                                              |                                                               |

## **ASSESSMENT SYLLABUS**

### **PERIODIC ASSESSMENT -1**

#### **GANITA PRAKASH PART-I**

**CH-1: Large numbers around us**

**CH-2: Arithmetic expressions**

**CH-3: A peek beyond the point**

### **PERIODIC ASSESSMENT -2**

#### **GANITA PRAKASH PART-II**

**CH-1: Geometric Twins**

**CH-2: Operations with Integers**

**CH-3: Finding Common Ground**

### **MID TERM EXAM**

#### **GANITA PRAKASH PART-I**

**CH-1: Large numbers around us**

**CH-2: Arithmetic expressions**

**CH-3: A peek beyond the point**

**CH-4: Expressions using letter-numbers**

**CH-5: Parallel and intersecting lines**

**CH-6: Number play**

**CH-7: A tale of three intersecting lines**

**CH-8: Working with Fractions**

### **ANNUAL EXAM**

#### **GANITA PRAKASH PART-I**

**CH-3: A peek beyond the point**

**CH-4: Expressions using letter-numbers**

**CH-5: Parallel and intersecting lines**

**CH-7: A tale of three intersecting lines**

**CH-8: Working with Fractions**

#### **GANITA PRAKASH PART-II**

**CH-1: Geometric Twins**

**CH-2: Operations with Integers**

**CH-3: Finding Common Ground**

**CH-4: Another Peek Beyond the Point**

**CH-5: Connecting the Dots...**

**CH-6: Constructions and Tilings**

**CH-7: Finding The Unknown**