



# ST. LAWRENCE HIGH SCHOOL

27, BALLYGUNGE CIRCULAR ROAD, KOLKATA - 700019

Session Plan/ Syllabus Coverage for the Academic Year 2026-2027



Subject: MATHEMATICS

Term: 1<sup>ST</sup>

Name of the Subject Co-ordinator: MANALI PAL

Name of the Book: ICSE UNDERSTANDING MATHEMATICS (IUM), M L AGGARWAL

No. of Working Days: 61

No. of Periods Available: 55

Class: VIII

Sections: A, B, C

| MONTH | NO. OF PERIODS | LESSONS  | TOPICS COVERED   | CLASS WORK  | TEACHING AIDS  |
|-------|----------------|--|--|---|--|
| APRIL | 15             | Ch-1 Rational Numbers<br>IUM Pg. 1-33<br>Ch-10 Algebraic Expressions and Identities<br>IUM Pg. 163-173   | Ch-1. Rational numbers, addition and subtraction, multiplication and division different types of properties of addition, subtraction, multiplication and division<br>Ch-10. Algebraic expressions, monomial, binomial, trinomial, polynomial, degree, addition and subtraction of algebraic expressions.   | IUM Pg. 1-33 and Pg. 163-173<br>Selected sums from Ex 1.1, Ex 1.2, Ex 1.3, Ex 1.4 Ex 1.5, Ex 1.6 and Ex 10.1, Ex 10.2 10.3, Ex 10.4 | Demonstration of rational numbers on the number line.  |
| MAY   | 10             | Ch-2 Exponents<br>IUM Pg. 34- 43<br>Ch- 3 Squares and Square Roots<br>IUM Pg. 44-56<br>Ch-10 Algebraic Expressions and Identities<br>IUM Pg. 173-182 | Ch-2. Powers with negative exponents, laws of exponents. different types of properties of multiplication and division.<br>Ch-3. Perfect squares, properties of square numbers, square roots.<br>Ch-10. Multiplication of polynomial  | IUM Pg. 34- 43, Pg. 44-56 and Pg. 173-182<br>Selected sums from Ex 2, Ex 3.1 to Ex 3.3 and Ex 10.5                                  | Group activities to create different algebraic expressions   |
| JUNE  | 11             | Ch- 3 Squares and Square Roots<br>IUM Pg. 56-65(Continued)<br>Ch-4 Cubes and Cube Roots IUM<br>Pg. 66-78<br>Maths UT-1 on 15.05.26                   | Ch-3. Finding square root by division method.<br>Ch-4. Perfect cubes, properties of cubes of natural numbers, cube roots, cube root of a number by prime factorisation method.<br><b>Syllabus of UT- 1: Ch 1,10</b>  | IUM Pg. 56-65 Pg. 66-78<br>Selected sums from Ex3.4 and Ex 4.1 Ex 4.2   | Demonstration of square roots of 2 and 3 on the number line  |
| JULY  | 19             | Ch-7 Percentage and its Applications IUM Pg. 104-127<br>Ch-11 Factorisation IUM Pg. 183- 194<br>Ch-13 Understanding Shapes<br>IUM Pg. 214-240        | Ch-7. Percentage, Profit and Loss, Discount, GST, applications.<br>Ch-11. Factors of algebraic expressions, factorising by taking out common, by grouping of terms, factorising algebraic identities, factorising of trinomials, division of a polynomial by a polynomial continued.<br>Ch-13. Polygon, classification, quadrilateral, special parallelograms. | IUM Pg. 104-127, Pg. 183-194 and Pg. 214-240<br>Selected sums from Ex 7.1 to Ex 7.4, Ex 11.1 to Ex 11.5 and Ex 13.1 to Ex Ex13.3    | Demonstration of Percentage and its application. Group activities on understanding various shapes like curve, polygon etc. |

Teachers are requested to prepare a LESSON PLANS for each Topic month wise. Kindly mention the chapters included for Terminal Examinations.

Signature of the Co-Teachers: 1. M. Pal

2. M. Pal 3. P. Saha

Submitted on: 20.04.2026

Academic Co-ordinator: Chaitali Roy

[Signature]  
PRINCIPAL

VICE PRINCIPAL [Signature]



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Session Plan/ Syllabus Coverage for the Academic Year 2026-2027



Subject: MATHEMATICS Term: 1<sup>ST</sup> and 2<sup>ND</sup>

Name of the Subject Co-ordinator: MANALI PAL

Name of the Book: ICSE UNDERSTANDING MATHEMATICS (IUM), M L AGGARWAL

No. of Working Days: 61, 36+42

No. of Periods Available: 22+39

Class: VIII

Sections: A, B, C

| MONTH  | NO. OF PERIODS | LESSONS   | TOPICS COVERED   | CLASS WORK   | TEACHING AIDS   |
|--|----------------|---|--|--|---|
| AUGUST   | 19             | Ch-8 Simple and Compound Interest IUM Pg. 129-142<br>Ch-19 Mensuration IUM Pg. 290-299<br>Ch-17 Symmetry, Reflection and Rotation IUM Pg. 269-277<br>Ch-18 Visualising Solid Shapes IUM Pg. 278-289 | Ch-8. Principal, simple interest, amount, compound interest, formula for compound interest.<br>Ch-19. Area and Perimeter of some plane figures: triangle, rectangle, square, parallelogram and circle<br>Ch-17. Line symmetry, rotational symmetry and order.<br>Ch-18. Polyhedron, faces, edges and vertices, Euler's formula | IUM Pg. 129-142, Pg. 290-299, Pg. 269-277 Pg. and 278-289<br>Selected sums from Ex 8.1 to 8.3, Ex 19.1,19.2, Ex 17, Ex 18.1 and Ex 18.2, | Demonstrating the formula for the area of a parallelogram using cardboard, thermocol, coloured glazed papers, adhesive, scissors.           |
| <b>Syllabus for 1<sup>st</sup> term: Chapter no.-1,2,3,4,7,8,10,11,13,17,18,19(up to Ex19.2)</b> |                |   |  |  |   |
| SEPTEMBER  | 3+8            | <u>1<sup>st</sup> term major exam starts from 07.09.2026</u><br><u>2<sup>ND</sup> TERM BEGINS FROM 21/09/2026</u><br>Ch-9 Direct and Inverse Variation IUM Pg. 144-160                              | Revision of the entire 1 <sup>st</sup> term syllabus.<br>Ch-9. Direct variation, inverse variation, time, and work.  | REVISION<br>IUM Pg. 144-160<br>Selected sums from Ex Ex9.1 to Ex9.3  | REVISION  |
| OCTOBER  | 14             | Ch- 12 Linear Equations and Inequalities in One Variable IUM Pg. 195-213<br>Ch-19 Mensuration IUM Pg. 299-316   | Ch-12. Application of linear equations, linear inequalities.<br>Ch-19. Volume of Solids, surface areas of cuboid, cube and cylinder  | IUM<br>Pg. 195-213, Pg. 299-316<br>Selected sums from Ex 12.1<br>Ex 12.2, Ex 19.3 and Ex 19.4  | Coins of denomination ₹1, ₹2, ₹5 and ₹5, A4 size paper, scissor are required to grasp the concepts of certain linear equation word problems |
| NOVEMBER   | 17             | Ch- 12 Linear Equations and Inequalities in One Variable IUM Pg. 205-213<br>Ch-14 Construction of Quadrilaterals IUM Pg. 242-248<br>Ch-15 Circle IUM Pg. 249-256<br>UT- 2 begins from 16.11.2026    | Ch-12. Application of linear equations, linear inequalities<br>Ch-14. Construction of quadrilateral, parallelogram, rhombus, rectangles and squares.<br>Ch-15. Circle, some terms associated with circle.<br>UT-2 syllabus: Ch 9,12  | IUM Pg. 205-213 Pg. 242-248 Pg. 249-256<br>Selected sums from Ex 12.3, Ex14.1, Ex 14.2 and Ex15  | Group activity of construction of quadrilaterals and construction of circle.  |

Teachers are requested to prepare a LESSON PLANS for each Topic month wise. Kindly mention the chapters included for Terminal Examinations.

Signature of the Co-Teachers: 1. M-Pal 2. M-Pal 3. P. Anta

Submitted on: 20.04.2026

Academic Co-ordinator: Chaitali Roy

[Signature]  
PRINCIPAL

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Session Plan/ Syllabus Coverage for the Academic Year 2026-2027



Subject: MATHEMATICS Term: 2<sup>nd</sup>

Name of the Subject Co-ordinator: MANALI PAL

Name of the Book: ICSE UNDERSTANDING MATHEMATICS (IUM), M L AGGARWAL

No. of Working Days: 42,58

No. of Periods Available: 39

Class: VIII Sections: A, B, C

| MONTH   | NO. OF PERIODS | LESSONS  | TOPICS COVERED  | CLASS WORK  | TEACHING AIDS   |
|---|----------------|--|---|---|---|
| DECEMBER  | 14             | Ch-6 Operations on Sets IUM Pg. 95-103<br>Ch-15 Circle IUM Pg. 249-256   | Ch-6. Operations on Sets, cardinality of a set, overlapping sets, disjoint sets.<br>Ch-15. Circle, some terms associated with circle.                               | IUM Pg. 97-105<br>Pg. 249-256 Selected sums from Ex 6, Ex 15  | Group activity: Each group will create different types of sets  |
| JANUARY   | 18             | Ch-5 Playing with numbers IUM Pg. 79-94<br>Ch-16 Coordinate System and Graphs IUM Pg. 257-268<br>Ch-20 Data Handling IUM Pg. 318-340 | Ch 5 – Playing with various 2-digit 3-digit numbers<br>Ch-16- Coordinate system, linear graphs<br>Ch-20. Bar graph, pie chart, histogram and chance and probability | IUM Pg. 318-340, Pg. 79-94, Pg. 257-268<br>Selected sums from Ex 5, Ex 16.1, Ex 16.2 and Ex 19.1 to Ex 19.3 | Demonstration of pie-chart, bar graphs and histograms for classes of equal widths and varying widths. |
| FEBRUARY  | 7              | Full revision<br>2 <sup>ND</sup> term major exam starts from 15/02/27  | Revision of the entire 2 <sup>nd</sup> term syllabus.   |   | REVISION  |
| <u>Syllabus for 2<sup>nd</sup> term: Chapter no: 1,2,3, 4,5, 6,7, 8, 9,10,11, 12,13, 14,15,16, 17, 18, 19 and 20.</u> |                |  |   |   |   |
| MARCH   | 0              | Correction work continues  | Correction work continues   |   | Correction work continues   |

Teachers are requested to prepare a LESSON PLANS for each Topic month wise. Kindly mention the chapters included for Terminal Examinations.

Signature of the Co-Teachers: 1. M-Pal 2. M-Pal 3. P. Anta

Submitted on: 20.04.2026

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