

SYLLABUS FOR ARYABHATT MATHEMATICIAN OF THE YEAR (2024-25)

GRADE	SYLLABUS
1	SHAPES AND SPATIAL UNDERSTANDING, SOLID AROUND US ,NUMBERS, MENTAL ARITHMETIC, MONEY,MEASUREMENT, DATA HANDLING, PATTERNS, TIME
2	SHAPES AND SPATIAL UNDERSTANDING, NUMBERS , MULTIPLICATION AND DIVISION, MENTAL ARITHMETIC, MONEY , LENGTH , WEIGHT , DATA HANDLING, PATTERNS,TIME
3	SHAPES AND SPATIAL UNDERSTANDING, NUMBERS , MULTIPLICATION AND DIVISION, MENTAL ARITHMETIC, MONEY , LENGTH , WEIGHT , DATA HANDLING, PATTERNS,TIME
4	SHAPES AND SPATIAL UNDERSTANDING, NUMBERS , MULTIPLICATION AND DIVISION, MENTAL ARITHMETIC, MONEY , MEASUREMENT , DATA HANDLING, PATTERNS, VOLUME , TIME
5	SHAPES AND SPATIAL UNDERSTANDING, NUMBERS ,FRACTIONAL NUMBERS MENTAL ARITHMETIC, MONEY , DATA HANDLING, PATTERNS,DECIMALS, BODMAS, UNITARY METHOD, AREA AND PERIMETER, AVERAGE PERCENTAGE, PROFIT AND LOSS, SIMPLE INTEREST, ANGLES, TRIANGLES , CIRCLES
6	NUMBER SYSTEM, FACTOR AND MULTIPLES, BODMAS , OPERATIONS ON FRACTIONS, INTEGERS AND DECIMALS, EXPONENTS, LINES AND ANGLES, LINEAR EQUATION IN ONE VARIABLE,POLYGONS, RATIO AND PROPORTION, UNITARY METHOD, PERIMETER AND AREA, DATA HANDLING, , QUADRILATERALS, ALGEBRAIC EXPRESSION
7	RATIONAL NUMBERS, EXPONESTS, PERCENTAGE, PROFIT AND LOSS, SIMPLE INTEREST, ALGEBRAIC EXPRESSION, LINEAR EQUATION, UNITARY METHOD, QUADRILATERALS, TRIANGLE AND ITS PROPERTIES, LINES AND ANGLES, PERIMETER AND AREA, PROBABILITY, DATA INTERPRETATION, RATIO PROPORTION
8	EXPONENTS, SQUARE AND SQUARE ROOTS, CUBE AND CUBE ROOTS, MENSURATION, LINEAR EQUATIONS AND OPERATIONS ON ALGEBRAIC NUMBERS, PERCENTAGE, COMPOUND INTEREST,POLYGON, FACTORISATION ,PROFIT AND LOSS, LINE AND ANGLES, TIME AND WORK, UNITARY METHOD , VOLUME AND SURFACE AREA OF SOLIDS, QUADRILATERAL, PROBABILITY, DATA INTERPRETATION
9	NUMBER SYSTEM, LAWS OF EXPONENTS, REMAINDER THEOREM, ALGEBRAIC IDENTITIES, LINEAR EQUATION, LINES AND ANGLES, TRIANGLES AND ITS PROPERTIES, PROFIT AND LOSS, QUADRILATERALS,HERON’S FORMULA, SURFACE AREA AND VOLUME OF SOLIDS, PERCENTAGE , STATISTICS,COMPOUND INTEREST,POLYGONS
10	REAL NUMBERS, QUADRATIC EQUATION, ARITHMETIC PROGRESSION, TRIANGLES, COORDINATE GEOMETRY, TRIGONOMETRY, AREA RELATED TO CIRCLES, SURFACE AREA AND VOLUMES , STATISTICS, PROBABILITY, MENSURATION,STATISTICS