



WB BOARD CLASS 8 MATHEMATICS

Class 8 Mathematics (Ganit Prabha 8)

Pre-Madhyamik curriculum based on 'Ganit Prabha 8' focusing on rational numbers, cubic identities, middle-term factorisation, rule of three, compound interest, geometric theorems on quadrilaterals, and pie charts.

GOVERNING BOARD
WB Board

THEORY EXAMINATION
90 Marks (3 Summatives)

INTERNAL / PRACTICAL
10 Marks (IFE)

EXAM DURATION
2½ Hours

UNIT-WISE SYLLABUS & MARKS BREAKDOWN

UNIT	CHAPTERS & PRESCRIBED TOPICS	MARKS
Unit 1	Rational Numbers & Cubes (Mulad Sankhya o Ghonophol) Density of rational numbers, $(a \pm b)^3$ identities, cube roots by prime factorisation	16
Unit 2	Commercial Mathematics (Trairashik o Shatakara) Rule of three, profit and loss, marked price, discount, compound growth and depreciation	20
Unit 3	Advanced Algebra (Bijganit) Middle-term factorisation, algebraic fractions, linear equations in one and two variables	20
Unit 4	Theorems & Constructions (Upapadhya o Sampadhya) Theorems on angles of polygons, parallel lines; Properties of parallelograms; Construction of quadrilaterals	22
Unit 5	Statistics (Rashibigyan) Pie charts (circular data representation), central angle calculation and drawing	12

INTERNAL / PRACTICAL ASSESSMENT SCHEME (10 MARKS (IFE))

EVALUATION COMPONENT	MARKS WEIGHTAGE
Summative Evaluations (1st, 2nd, 3rd) CCE written evaluations normalized to 90 marks	90 Marks
IFE Component Project report, classroom participation	10 Marks

RECOMMENDED REFERENCE LITERATURE

Prescribed Textbooks: Ganit Prabha 8 (WBBSE), Keshab Chandra Nag (K.C. Nag) Mathematics, Excellence Prep Papers

THE EXCELLENCE TUITION EDGE

Every unit in this curriculum is taught with structured conceptual lectures, followed by weekly speed-testing, detailed mistake analysis, and dedicated 1:1 doubt-clearing sessions to build board exam confidence.

