



WB BOARD

CLASS 7

MATHEMATICS

Class 7 Mathematics (Ganit Prabha 7)

CCE curriculum based on WBBSE textbook 'Ganit Prabha 7'. Develops proportional reasoning, unitary method with variation, algebraic identities, triangle constructions, and data analysis.

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	Ratio, Proportion & Unitary Method (Anupat o Oikik Niyom) Compounded ratio, inverse ratio, direct and inverse variation in unitary method	16
Unit 2	Speed, Time and Distance (Goti, Somoy o Durotto) Motion word problems, conversion of speed units, relative speed calculations	12
Unit 3	Algebraic Identities & Factorisation (Bijganit) Operations on expressions, identities: $(a \pm b)^2$, $a^2 - b^2$, $(a + b + c)^2$, factorisation of polynomials, linear equations	24
Unit 4	Geometry & Triangle Construction (Jyamiti) Parallel lines and transversal angles, triangle construction criteria (SSS, SAS, ASA, RHS), symmetry	20
Unit 5	Mensuration & Data (Poriseema, Khetraphol o Rashibigyan) Perimeter and area of paths, rectangles, squares, triangles; Double bar graph representation	18

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

EVALUATION COMPONENT	MARKS WEIGHTAGE
Continuous Term Summatives Three progressive evaluation stages across the session	90 Marks
Internal Formative Assessment Math survey, problem-solving rubrics	10 Marks

RECOMMENDED REFERENCE LITERATURE

Prescribed Textbooks: Ganit Prabha 7 (WBBSE), Chhaya Ganit Sathi, Excellence Practice Compendium

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.

