



WB BOARD

CLASS 12

SCIENCE

Class 12 Chemistry (Semester System)

New WBCHSE 4-Semester curriculum for Class 12: Semester III (35 Marks, 100% MCQ on OMR Sheet covering Solutions, Electrochemistry, Kinetics, d-Block, Coordination Compounds); Semester IV (35 Marks, Descriptive SAQ/DQ covering Haloalkanes, Alcohols, Carbonyl Compounds, Amines, Biomolecules).

GOVERNING BOARD

WB Board

THEORY EXAMINATION

70 Marks (Sem III + IV)

INTERNAL / PRACTICAL

30 Marks (Practical)

EXAM DURATION

1 hr 15m (Sem III) + 2 hrs (Sem IV)

UNIT-WISE SYLLABUS & MARKS BREAKDOWN

UNIT	CHAPTERS & PRESCRIBED TOPICS	MARKS
Semester III (MCQ)	Physical & Inorganic Chemistry Solutions (07 Marks); Electrochemistry (08 Marks); Chemical Kinetics (07 Marks); d- and f-Block Elements (06 Marks); Coordination Compounds (07 Marks)	35
Semester IV (Descriptive)	Organic Chemistry & Biomolecules Haloalkanes and Haloarenes (06 Marks); Alcohols, Phenols and Ethers (07 Marks); Aldehydes, Ketones and Carboxylic Acids (08 Marks); Organic Nitrogen Compounds (06 Marks); Biomolecules (08 Marks)	35

INTERNAL / PRACTICAL ASSESSMENT SCHEME (30 MARKS (PRACTICAL))

EVALUATION COMPONENT	MARKS WEIGHTAGE
Volumetric Titration Acid-base or redox titration experiment	10 Marks
Qualitative Salt Analysis Identification of cation and anion radicals	10 Marks
Project & Viva Voce Investigatory project report and Council-appointed external viva	10 Marks

RECOMMENDED REFERENCE LITERATURE

Prescribed Textbooks: WBCHSE Chemistry (Higher Secondary), Chhaya Rasayan (Tarafer & Roy), Santra Chemistry, Excellence Master Packs

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.