

## **RANK IMPROVEMENT TEST**

NWCM123X1R, NWCM123X2R, NWCM923O1S, CAMP23, NWCM123G1W, NWCM123X1W, NWCM123X2W, NWCM123X3W, NWCM123X4W,  
NWCM123C1R, NWCM123C1W, NWCM123D1R, NWCM123D1W, NWCM123F1R, NWCM123EW,  
PANINI123-G1, PANINI123-XII 1, PANINI123-XII 2, PANINI123-XII 3

### **SCHEDULE AND SYLLABUS FOR RANK IMPROVEMENT TEST**

TEST DATE/TIMING	PHYSICS	CHEMISTRY	MATHEMATICS
<b>Test-I</b> <b>(18.07.2022)</b> (16:00-19:00)	Vector, Kinematics	Stoichiometry, Gaseous State, Atomic Structure	Basic Mathematics, Trigonometric Ratios & Identities
<b>Test-II</b> <b>(12.09.2022)</b> (16:00-19:00)	Newton's Laws of motion, Work, Energy and Power	Chemical Bonding, Periodic Properties, S-block Elements and Hydrogen	Straight Lines, Circle, Logarithms
<b>Test-III</b> <b>(10.10.2022)</b> (16:00-19:00)	Conservation of Momentum	Chemical Kinetics, GOC, Isomerism	Quadratic Eq. & Expressions, Complex Numbers
<b>Test-IV</b> <b>(14.11.2022)</b> (16:00-19:00)	Rotational Motion, Gravitation	Chemical Equilibrium, Ionic Equilibrium	Progression & Series, Parabola, Statistics
<b>Test-V</b> <b>(28.11.2022)</b> (16:00-19:00)	Fluid, Simple Harmonic Motion & Elasticity	Thermochemistry and Thermodynamics, Electrophilic Aromatic Substitution Reaction	Ellipse, Hyperbola, Permutation & Combination, Heights & Distance
<b>Test-VI</b> <b>(19.12.2022)</b> (16:00-19:00)	Waves & Sound, Heat and Thermodynamics	Hydrocarbons, Boron and Carbon Family, Environmental Chemistry	Binomial Theorem, Solution of Triangle, Trigonometric Equations, Inverse Trigonometric Functions
<b>Test-VII</b> <b>(16.01.2023)</b> (16:00-19:00)	Electrostatics, Current Electricity	Alkyl & Aryl Halides, Alcohol, Ether & Phenol, Aldehyde & Ketones	Set Relations & Function, Functions, Limits, Continuity & Differentiability
<b>Test-VIII</b> <b>(23.01.2023)</b> (16:00-19:00)	Magnetism, Electro Magnetic Induction	Carboxylic Acids & Derivatives, Amines, Carbohydrate, Amino Acids, Vitamins, Nucleic Acid, Polymers & POC	Application of Derivatives, Indefinite Integrals, Definite Integrals
<b>Test-IX</b> <b>(13.02.2023)</b> 4:00 PM to 7:00 PM	Geometrical Optics, Wave Optics	Qualitative Analysis, Solid State, Liquid Solution & Surface Chemistry, p-Block	Area, Determinant, Matrices
<b>Test-X</b> <b>(20.02.2023)</b> (16:00-19:00)	Modern Physics, Error Analysis, Semiconductor Devices	Electrochemistry, Transition Elements & Coordination Chemistry, Ores & Metallurgy, Chemistry in Everyday Life	Differential Equations, Three Dimensional Geometry, Probability, Vectors