ERUDEX
MAKE LEARNING PERSONAL

Erudex Bridge Course starting May 25th 2021

(for students entering for NEET and JEE 2023)

Day Schedule	Math	Chemistry	Physics	Biology
Day 1	Introduction and Indian History of Math	Different Models of Atom	Kinematics: Kinematics Equation for Uniform Accelerated Motion	Diversity of Living World Characteristis of Living Nomenclature, Taxonomical Aids
Day 2	Classification of Numbers Divisibility rules Algebraic Identities and Derivations	Problems on Bohr's Model	Projectile Motion	Biological Classification: Diff. Kingdoms Systems - Monera
Day 3	Sets : Theory and Problems	Quantum Mechanical Model	Problems on the above	Protista and Fungii
Day 4	Denotion of Intervals Wavy Curve Method Problems	Periodic Classification of Elements	Newton's Laws of Motion: Types of Forces	Kingdom Plantae Algae Bryophytes, Pteridophytes,
Day 5	Logarithms : Theory and Problems	Periodic Properties	Free Body Diagram	Gymnosperms Angiosperms
Day 6	Step Function Fractional Part Ceiling Function	Problems on Periodic Properties	Newton's 1st, 2nd and 3rd Laws of Motion	Kingdom Animalia: Invertebrates
Day 7	System of Linear Equations - Theory and Problems	Mole Concept	Problems on the above	Vertebrates Chordates
Day 8	Introduction to Complex Numbers Conjugate and Modulus Problems	Chemical Balancing	Fluid Mechanics: Variation of Pressure with Height and Depth	Microbial World: Useful and Harmful Microbes
Day 9	Quadratic Equations and Roots : Theory	Chemical Equations	Archimedes Principle	Reproduction in Plants: Asexual Reporduction
Day 10	Quadratic Equations and Roots Problems	Problems on Mole Concept	Problems on the above	Sexual Reproduction
Day 11	Cartesian Systems Distance forumla Section formula Area of a triangle	Lewis Theory of Chemical Bonds	Calorimetry : Specific Heat Capacity & Calorimetry	Sense Organs: Ear Eye
Day 12	Problems on the above	Lewis Theory of Chemical Bonds	Optics: Types of Mirrors	Skin Tongue Nose
Day 13	Series Method of Differences	Generating Formulas of Chemicals	Types of Lenses	Ecology: Ecosystems and Its Components
Day 14	Arithmetic Progression Geometric Progressions	Acids Bases	Problems on the above	Ecological Adaptations in Plants
Day 15	Harmonic Progression Arithmetico Geometric Progression	Acids Bases	Current Electricity: Ohms Law	Cell: The basic Unit of Life Structure & Functions
Day 16	Inequalities : Theory and Problems	Introduction to Organic Chemistry	Kirchoffs Law	Prokaryotic and Eukaryotic Cells
Day 17	Range and Domain of a Function : Theory	Introduction to Organic Chemistry	Problems on the above	Cell Organelles
Day 18	Problems on Range and Domain of a Function	Introduction to Organic Chemistry	Electromagnetism: Magnetic Field Due to Moving Charge	Cell Division: Mitosis and Meisosis
Day 19	Trigonometric Ratios & Identities	Metallurgy	Magnetic Field Due to Current Carrying Conductor	Histology & Anatomy of Flowering Plants: Tissue Types
Day 20	Problems on Trigonometric Ratios & Identities	Metallurgy	Problems on the above	Organizations of Animal Tissues Diff. Types of Tissues