

VIBRANT ACADEMY (I) Pvt. Ltd.
Vibrant All India Test Series (VAITS)-XIIth

Syllabus

PT-1 (Main)

Date: 31-07-22

Physics

NLM, Circular Motion, Work Energy Power, SHM, Fluid, Surface Tension & Viscosity, Mechanical Waves, Plane Mirror.

Maths

Permutation and Combination, Straight Line, Circle, Determinants, Matrices, Probability.

Organic Chemistry

Isomerism, GOC.

Physical Chemistry

XIth Full Syllabus with Redox.

Inorganic Chemistry

Chemical Bonding (Main + Advance) complete.

VIBRANT ACADEMY (I) Pvt. Ltd.
Vibrant All India Test Series (VAITS)-XIIth

Syllabus

PT-2 (Main)

Date: 07-08-22

Physics

Kinematics, NLM, Circular Motion, Work Energy Power, Centre of mass, SHM, Fluid, Surface Tension & Viscosity, Mechanical Waves, Geometrical optics (Excluding optical instrument).

Maths

Permutation and Combination, Straight Line, Circle, Determinants, Binomial theorem, Matrices, Probability, Function, ITF (Till taught)

Organic Chemistry

Isomerism, GOC, Hydrocarbon

Physical Chemistry

XIth Full Syllabus + Redox, Chemical kinetics (Till taught)

Inorganic Chemistry

Periodic properties, Chemical Bonding (Main + Advance), Coordination compound (Till taught)

VIBRANT ACADEMY (I) Pvt. Ltd.
Vibrant All India Test Series (VAITS)-XIIth
Syllabus
PT-3 (Advanced)
Date: 14-08-22

Physics

Kinematics, NLM, Circular Motion, Work Energy Power, Centre of mass, SHM, Fluid, Surface Tension & Viscosity, Mechanical Waves, Geometrical optics, Wave Optics (YDSE Basic).

Maths

Permutation and Combination, Straight Line, Circle, Determinants, Binomial theorem, Matrices, Probability, Function, ITF, Limit (Till taught)

Organic Chemistry

Isomerism, GOC, Hydrocarbon.

Physical Chemistry

XIth Full Syllabus + Redox, Chemical kinetics, Radioactivity (Till taught)

Inorganic Chemistry

Periodic properties, Chemical Bonding (Main + Advance), Coordination compound (Till taught)

VIBRANT ACADEMY (I) Pvt. Ltd.
Vibrant All India Test Series (VAITS)-XIIth
Syllabus
PT-4 (Main)
Date: 21-08-22

Physics

Kinematics, NLM, Circular Motion, Work Energy Power, Centre of mass, SHM, Fluid, Surface Tension & Viscosity, Mechanical Waves, Geometrical optics (Including optical instrument), Wave Optics.

Maths

Permutation and Combination, Straight Line, Circle, Determinants, Binomial theorem, Matrices, SOT, Trigonometric Equations, Sequence & Series, Probability, Function, ITF, Limit (Till taught)

Organic Chemistry

Isomerism, GOC, Hydrocarbon.

Physical Chemistry

XIth Full Syllabus + Redox, Chemical kinetics, Thermodynamics (Till taught)

Inorganic Chemistry

Periodic properties, Chemical Bonding, Coordination compound, Metallurgy (Till taught)

VIBRANT ACADEMY (I) Pvt. Ltd.
Vibrant All India Test Series (VAITS)-XIIth
Syllabus
PT-5 (Advanced)
Date: 28-08-22

Physics

Kinematics, NLM, Circular Motion, Work Energy Power, Centre of mass, Rotation, SHM, Fluid, Surface Tension & Viscosity, Mechanical Waves, Geometrical optics(Including optical instrument), Wave Optics, Electric field and potential, Dipole.

Maths

Permutation and Combination, Straight Line, Circle, Determinants, Binomial theorem, Matrices, SOT, Trigonometric Equations, Sequence & Series, Probability, Function, ITF, Limit, Continuity, Differentiability (Till taught)

Organic Chemistry

Isomerism, GOC, Hydrocarbon, SN2 and SN1 Reaction.

Physical Chemistry

XIth Full Syllabus + Redox, Chemical kinetics, Radioactivity, Thermodynamics, Thermochemistry.

Inorganic Chemistry

Periodic properties, Chemical Bonding, Coordination compound, Metallurgy (Till taught)

VIBRANT ACADEMY_{(I) Pvt. Ltd}
Vibrant All India Test Series (VAITS)-XIIth
Syllabus
PT-6 (Main)
Date:04-09-22

Physics

Kinematics, NLM, Circular Motion, Work Energy Power, Centre of mass, Rotation, SHM, Fluid Mechanics, Surface Tension & Viscosity, Elasticity & Heat, Thermodynamics, Mechanical Waves, Geometrical optics(Including optical instrument), Wave Optics, Electrostatics.

Maths

XIth Full Syllabus + Matrices, Probability, Function, ITF, Limit, Continuity, Differentiability, Method of Differentiation, Indefinite Intregation (Till taught).

Organic Chemistry

Isomerism, GOC, Hydrocarbon, SN2 and SN1 Reaction, SNi and SN-Ar.

Physical Chemistry

XIth Full Syllabus + Redox, Chemical kinetics, Radioactivity, Thermodynamics, Thermochemistry.

Inorganic Chemistry

Periodic properties, Chemical Bonding (Main + Advanced), Coordination compound, Metallurgy, Type of Reactions (Till taught) .

VIBRANT ACADEMY^(I) Pvt. Ltd
Vibrant All India Test Series (VAITS)-XIIth

Syllabus
PT-7 (Advanced)

Date:11-09-22

Physics

Kinematics, NLM, Circular Motion, Work Energy Power, Centre of Mass, Rotation, SHM, Fluid Mechanics, Surface Tension & Viscosity, Elasticity & Heat, Thermodynamics, Mechanical Waves, Geometrical Optics(Including Optical Instrument), Wave Optics, Electrostatics, Gravitation, Current Electricity.

Maths

XIth Full Syllabus + Matrices, Probability, Function, ITF, Limit, Continuity, Differentiability, Method of Differentiation, Indefinite Intregation, Definite Intergrartion. (Till taught).

Organic Chemistry

Isomerism, GOC, Hydrocarbon, SN₂ and SN₁ Reaction, SNi and SN-Ar, Elemination Reaction.

Physical Chemistry

XIth Full Syllabus + Redox, Chemical Kinetics, Radioactivity, Thermodynamics, Thermochemistry, Electrochemistry.

Inorganic Chemistry

Periodic Properties, Chemical Bonding (Main + Advanced), Coordination compound, Metallurgy, Type of Reactions (Till taught) .

VIBRANT ACADEMY^(I) Pvt. Ltd
Vibrant All India Test Series (VAITS)-XIIth
Syllabus

PT-8 (Main)
Date:18-09-22

Physics

Kinematics, NLM, Circular Motion, Work Energy Power, Centre of Mass, Rotation, SHM, Fluid Mechanics, Surface Tension & Viscosity, Elasticity & Heat, Thermodynamics, Mechanical Waves, Geometrical Optics(Including Optical Instrument), Wave Optics (Interference, Diffraction, Polarisation), Electrostatics, Gravitation, Current Electricity, Capacitance.

Maths

XIth Full Syllabus + Matrices, Probability, Function, ITF, Limit, Continuity, Differentiability, Method of Differentiation, Indefinite Intregation, Definite Intergrartion, AOD (Till taught).

Organic Chemistry

Isomerism, GOC, Hydrocarbon, SN₂ and SN₁ Reaction, SNi and SN-Ar, Elemination Reaction, Carbene.

Physical Chemistry

XIth Full Syllabus + Redox, Chemical Kinetics, Radioactivity, Thermodynamics, Thermochemistry, Electrochemistry.

Inorganic Chemistry

Periodic Properties, Chemical Bonding (Main + Advanced), Coordination compound, Metallurgy, Type of Reactions (Till taught) .

VIBRANT ACADEMY^(I) Pvt. Ltd
Vibrant All India Test Series (VAITS)-XIIth
Syllabus

PT-9 (Advanced)

Date:25-09-22

Physics

XIth Full Syllabus + Surface Tension & Viscosity, Mechanical Waves, Geometrical Optics(Including Optical Instrument), Wave Optics, Electrostatics, Gravitation, Current Electricity, Capacitance, Magnetic Effect of Current.

Maths

XIth Full Syllabus + Matrices, Probability, Function, ITF, Limit, Continuity, Differentiability, Method of Differentiation, Indefinite Intregation, Definite Intergrartion, AOD.

Organic Chemistry

Isomerism, GOC, Hydrocarbon, SN₂ and SN₁ Reaction, SNi and SN-Ar, Elemination Reaction, Carbene, Grignard.

Physical Chemistry

Complete Syllabus Till Taught.

Inorganic Chemistry

Periodic Properties, Chemical Bonding (Main + Advanced), Coordination compound, Metallurgy, Type of Reactions, P-Block Elements (Till taught) .

VIBRANT ACADEMY_(I) Pvt. Ltd
Vibrant All India Test Series (VAITS)-XIIth
Syllabus

PT-10 (Main)

Date:02-10-22

Physics

XIth Full Syllabus + Surface Tension & Viscosity, Mechanical Waves, Geometrical Optics(Including Optical Instrument), Wave Optics (Interference, Diffraction, Polarisation), Electrostatics, Gravitation, Current Electricity, Capacitance, Magnetic Effect of Current, EMI (Except Inductions), Magnetic Properties.

Maths

XIth Full Syllabus + Matrices, Probability, Function, ITF, Limit, Continuity, Differentiability, Method of Differentiation, Indefinite Intregation, Definite Intergrartion, AOD, Differential Equation.

Organic Chemistry

Isomerism, GOC, Hydrocarbon, SN₂ and SN₁ Reaction, SNi and SN-Ar, Elemination Reaction, Carbene, Grignard, Alcohol, Ether.

Physical Chemistry

Complete Syllabus Till Taught.

Inorganic Chemistry

Periodic Properties, Chemical Bonding (Main + Advanced), Coordination compound, Metallurgy, Type of Reactions, P-Block Elements, Salt Analysis (Till taught).

VIBRANT ACADEMY_(I) Pvt. Ltd
Vibrant All India Test Series (VAITS)-XIIth
Syllabus

PT-11 (Advanced)

Date:09-10-22

Physics

Kinematics, NLM, Friction, Work Energy Power, Circular Motion, Centre of Mass, Momentum, Rotational Dynamics, Elasticity, Thermal expansion, Calorimetry, Heat Transfer, KTG & Thermodynamics, Fluid Mechanics (Including Surface Tension & Viscosity), Mechanical Wave, Geometrical Optics, Wave Optics, Electrostatics, Gravitation, Current Electricity, Capacitance, Magnetic Effect Of Current.

Maths

XIth Complete & XIIth Covered Till Last Date.

Organic Chemistry

IUPAC, Isomerism, Application of Isomerism, GOC, Alkyl Halide, RMgX, Alcohol, Ether, Cabene, Nitrene, Carbonyl Compound.

Physical Chemistry

Stoichiometry, Thermodynamics, Thermochemistry, Chemical Equilibrium, Ionic Equilibrium, Electrochemistry, Surface Chemistry, Solid State, Liquid Solution.

Inorganic Chemistry

Complete Syllabus Excluding p-block Elements.

VIBRANT ACADEMY_(I) Pvt. Ltd
Vibrant All India Test Series (VAITS)-XIIth
Syllabus

PT-12 (Main)

Date:16-10-22

Physics

Kinematics, NLM, Friction, Work Energy Power, Circular Motion, Centre of Mass, Momentum, Rotational Dynamics, Elasticity, Thermal expansion, Calorimetry, Heat Transfer, KTG & Thermodynamics, Fluid Mechanics (Including Surface Tension & Viscosity), SHM, Mechanical Wave, Geometrical Optics (Including Optical Instruments), Wave Optics (Including Diffraction & Polarisation), Electrostatics, Gravitation, Current Electricity, Capacitance, Magnetic Effect Of Current, EMI (Till taught)

Maths

Full Syllabus.

Organic Chemistry

Full Syllabus.

Physical Chemistry

Full Syllabus.

Inorganic Chemistry

Full Syllabus.