

STUDY MATERIAL		Test No.	Test Date	NURTURE TEST SERIES / JOINT PACKAGE			LEADER TEST SERIES / JOINT PACKAGE		
PHYSICS				PHYSICS	CHEMISTRY	MATHEMATICS	PHYSICS	CHEMISTRY	MATHEMATICS
Unit No.	Topic								
01	Basic mathematics used in physics, Vectors, Unit & Dimensions; Kinematics.	01	25 - 07 - 2010	Basic Mathematics used in Physics, Vectors, Unit & Dimensions.	Mole Concept	Logarithms, Trigonometric Ratios and Identities	Basic mathematics used in Physics, Vectors, Unit & Dimensions; Kinematics.	Mole Concept and Atomic Structure	Logarithms, Quadratic Equations, Trigonometric Ratios and Identities
02	Laws of motion and Friction, Work, Energy & Power.	02	08 - 08 - 2010	Kinematics.	Atomic Structure	Quadratic Equations	Laws of motion and Friction, Work, Energy & Power.	Periodic Properties & Chemical Bonding	Matrices & Determinants and Trigonometric Equations
03	Centre of Mass & Collisions and Rotational Motion.								
04	Gravitation and Fluid Mechanics.								
05	Thermal Physics.								
06	SHM and Wave Motion.	03	22 - 08 - 2010	Laws of Motion and Friction.	Periodic Properties	Solution of Triangles, Trigonometric Equations	Centre of Mass & Collisions and Rotational Motion.	State of Matter (Gaseous State), Redox & Equivalent Concept	Functions and Inverse Trigonometric Function
07	Electrostatics; Capacitors.								
08	Current electricity.								
09	Magnetic effect of current and Magnetism.								
10	Electromagnetic Induction (EMI), Alternating current (AC).	04	05 - 09 - 2010	Work, Energy & Power.	Chemical Bonding	Functions, Limits	Gravitation and Fluid Mechanics.	s & p-Block Elements	Differential Calculus (Limit, Continuity, Differentiability, Differentiation)
11	Ray optics and optical Instruments, Wave optics (Nature of Light & Interference).								
12	Atomic and Nuclear Physics; Practical Physics.								
<b>CHEMISTRY</b>									
Unit No.	Topic								
01	Mole Concept and Atomic Structure	05	19 - 09 - 2010	Syllabus of Test # 1,2,3,4	Syllabus of Test # 1,2,3,4	Syllabus of Test # 1,2,3,4	Syllabus of Test # 1,2,3,4	Syllabus of Test # 1,2,3,4	Syllabus of Test # 1,2,3,4
02	Periodic Properties & Chemical Bonding								
03	State of Matter (Gaseous State), Redox & Equivalent Concept								
04	s & p-Block Elements								
05	Organic Nomenclature & Basic Principles-Isomerism, GOC	06	03 - 10 - 2010	Centre of Mass & Collisions.	State of Matter (Gaseous state), Redox & Equivalent Concept	Point and Straight Line	Thermal Physics.	Organic Nomenclature & Basic Principles-Isomerism, GOC	Application of Derivatives(Maxima & Minima, Monotonicity, Tangent & Normal)
06	Chemical Thermodynamics & Thermochemistry								
07	Chemical Equilibrium, Ionic Equilibrium, Acid-Base Theory								
08	Chemical Kinetics, Nuclear Chemistry, Electrochemistry and Solution								
09	Transition Element and Metallurgy	07	17 - 10 - 2010	Rotational Motion.	s & p-Block Elements	Circle	SHM and Wave Motion.	Chemical Thermodynamics & Thermochemistry	Indefinite & Definite integration
10	Alkane, Alkene, Alkyne, Aromatic Hydrocarbon								
11	Organic Compound Containing Halogen, Oxygen and Nitrogen								
12	Solid State, Surface Chemistry, Carbohydrates, Amino Acids & Peptides, Practical Organic Chemistry, Principles of Qualitative Analysis								
<b>MATHEMATICS</b>									
Unit No.	Topic								
01	Logarithms, Quadratic Equations, Trigonometric Ratios and Identities	08	31 - 10 - 2010	Gravitation.	Organic Nomenclature & Basic Principles-Isomerism and Practical organic Chemistry	Parabola	Electrostatics; Capacitors.	Chemical Equilibrium, Ionic Equilibrium, Acid-Base Theory	Area under the curve and Differential Equations
02	Matrices & Determinants and Trigonometric Equations								
03	Functions and Inverse Trigonometric Function								
04	Differential Calculus (Limit, Continuity, Differentiability, Differentiation)								
05	Solution of Triangles, Sequences and Series, Application of Derivatives (Maxima & Minima, Monotonicity, Tangent & Normal)	09	14 - 11 - 2010	Fluid Mechanics.	General organic Chemistry (GOC)	Permutation & Combination and Binomial Theorem	Current electricity.	Chemical Kinetics, Nuclear Chemistry, Electrochemistry and Solution	Point, Straight Line & Circle
06	Indefinite & Definite integration								
07	Point, Straight Line & Circle								
08	Area under the curve and Differential Equations								
09	Parabola, Ellipse & Hyperbola	10	28 - 11 - 2010	Syllabus of Test # 6,7,8,9	Syllabus of Test # 6,7,8,9	Syllabus of Test # 6,7,8,9	Syllabus of Test # 6,7,8,9	Syllabus of Test # 6,7,8,9	Syllabus of Test # 6,7,8,9
10	Vectors and Three Dimensional geometry								
11	Binomial Theorem and Complex Numbers								
12	Permutation & Combination and Probability								
01	Logarithms, Quadratic Equations, Trigonometric Ratios and Identities	11	12 - 12 - 2010	Thermal Physics - I (Thermal Expansion, Calorimetry & Heat Transfer) .	Chemical Thermodynamics & Thermochemistry	Complex Numbers	Magnetic effect of current and Magnetism.	Transition Element and Metallurgy	Parabola, Ellipse & Hyperbola
02	Matrices & Determinants and Trigonometric Equations								
03	Functions and Inverse Trigonometric Function								
04	Differential Calculus (Limit, Continuity, Differentiability, Differentiation)								
05	Solution of Triangles, Sequences and Series, Application of Derivatives (Maxima & Minima, Monotonicity, Tangent & Normal)	12	26 - 12 - 2010	Thermal Physics - II (KTG & Thermodynamics).	Chemical Equilibrium, Ionic Equilibrium, Acid-Base Theory	Ellipse & Hyperbola and Three Dimensional Geometry (Elementary)	Electromagnetic Induction (EMI), Alternating current (AC).	Alkane, Alkene, Alkyne, Aromatic Hydrocarbon	Vectors and Three Dimensional geometry, Solution of Triangles
06	Indefinite & Definite integration								
07	Point, Straight Line & Circle								
08	Area under the curve and Differential Equations								
09	Parabola, Ellipse & Hyperbola	13	09 - 01 - 2011	SHM.	Alkane & Alkene	Probability	Ray optics and optical Instruments, Wave optics (Nature of Light & Interference).	Organic Compound Containing Halogen, Oxygen and Nitrogen	Binomial Theorem and Complex Numbers, Sequences and Series
10	Vectors and Three Dimensional geometry								
11	Binomial Theorem and Complex Numbers								
12	Permutation & Combination and Probability								
01	Logarithms, Quadratic Equations, Trigonometric Ratios and Identities	14	23 - 01 - 2011	Wave Motion.	Alkyne, Aromatic Hydrocarbon	Sequences and Series	Atomic and Nuclear Physics; Practical Physics.	Solid State, Surface Chemistry, Carbohydrates, Amino Acids & Peptides, Practical Organic Chemistry, Principles of Qualitative Analysis	Permutation & Combination and Probability
02	Matrices & Determinants and Trigonometric Equations								
03	Functions and Inverse Trigonometric Function								
04	Differential Calculus (Limit, Continuity, Differentiability, Differentiation)								
05	Solution of Triangles, Sequences and Series, Application of Derivatives (Maxima & Minima, Monotonicity, Tangent & Normal)	15	06 - 02 - 2011	Syllabus of Test # 11,12,13,14	Syllabus of Test # 11,12,13,14	Syllabus of Test # 11,12,13,14	Syllabus of Test # 11,12,13,14	Syllabus of Test # 11,12,13,14	Syllabus of Test # 11,12,13,14
06	Indefinite & Definite integration								
07	Point, Straight Line & Circle								
08	Area under the curve and Differential Equations								
09	Parabola, Ellipse & Hyperbola								

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Unit No.	Topic			PHYSICS	CHEMISTRY	MATHEMATICS	PHYSICS	CHEMISTRY	MATHEMATICS
<b>PHYSICS</b>									
01	Basic mathematics used in physics, Vectors, Units, Dimensions and Measurement; Kinematics.	01	25 - 07 - 2010	Basic Mathematics used in Physics, Vectors, Units, Dimensions and Measurement.	Mole Concept	Quadratic Equations	Basic mathematics used in physics, Vectors, Units, Dimensions and Measurement; Kinematics.	Mole Concept and Atomic Structure	Quadratic Equations, Sequences and Series
02	Laws of motion and Friction, Work, Energy & Power.	02	08 - 08 - 2010	Kinematics.	Atomic Structure	Sequences and Series	Laws of motion and Friction, Work, Energy & Power.	Periodic Properties & Chemical Bonding	Matrices & Determinants, Set, Relation
03	Centre of Mass & Collisions and Rotational Motion.								
04	Gravitation and Fluid Mechanics.								
05	Thermal Physics (K. T. G., Thermodynamics & Heat Transfer).	03	22 - 08 - 2010	Laws of Motion and Friction.	Periodic Properties	Trigonometric Ratios and Identities	Centre of Mass & Collisions and Rotational Motion.	State of Matter (Gaseous State & Solid State), Redox & Equivalent Concept	Functions, Limit & Continuity
06	SHM and Wave Motion.								
07	Electrostatics; Capacitors.								
08	Current electricity.	04	05 - 09 - 2010	Work, Energy & Power.	Chemical Bonding	Trigonometric Equations	Gravitation and Fluid Mechanics.	s & p-Block Elements; Hydrogen	Differential Calculus (Differentiability, Differentiation, Maxima & Minima, Monotonicity, Tangent & Normal)
09	Magnetic effect of current and Magnetism.								
10	Electromagnetic Induction (EMI), EM Waves, Alternating current.								
11	Ray optics and optical Instruments, Wave optics (Nature of Light & Interference).	05	19 - 09 - 2010	Syllabus of Test # 1,2,3,4	Syllabus of Test # 1,2,3,4	Syllabus of Test # 1,2,3,4	Syllabus of Test # 1,2,3,4	Syllabus of Test # 1,2,3,4	Syllabus of Test # 1,2,3,4
12	Modern Physics and Nuclear Physics; Practical Physics, Electronics and Principle of Communication.								
<b>CHEMISTRY</b>									
01	Mole Concept and Atomic Structure	06	03 - 10 - 2010	Centre of Mass & Collisions.	State of Matter (Gaseous state), Redox & Equivalent Concept	Point and Straight Line	Thermal Physics (K. T. G., Thermodynamics & Heat Transfer).	Organic Nomenclature & Basic Principles-Isomerism, GOC	Trigonometry, Binomial Theorem and Principle of Mathematical Induction
02	Periodic Properties & Chemical Bonding								
03	State of Matter (Gaseous State & Solid State) Redox & Equivalent Concept								
04	s & p-Block Elements; Hydrogen	07	17- 10 - 2010	Rotational Motion.	s & p-Block Elements (Boron & Carbon Family)	Circle	SHM and Wave Motion.	Chemical Thermodynamics	Indefinite & Definite integration
05	Organic Nomenclature & Basic Principles-Isomerism, GOC								
06	Chemical Thermodynamics								
07	Chemical Equilibrium, Ionic Equilibrium, Acid-Base Theory	08	31 - 10 - 2010	Gravitation.	Organic Nomenclature & Basic Principles-Isomerism and Practical organic Chemistry	Parabola, Ellipse & Hyperbola	Electrostatics; Capacitors.	Chemical Equilibrium, Ionic Equilibrium, Acid-Base Theory	Point, Straight Line & Circle
08	Chemical Kinetics, Electrochemistry and Solution								
09	Transition Element and Metallurgy								
10	Alkane, Alkene, Alkyne, Aromatic Hydrocarbon	09	14 - 11 - 2010	Fluid Mechanics.	General organic Chemistry (GOC)	Binomial Theorem and Principle of Mathematical Induction	Current electricity.	Chemical Kinetics, Electrochemistry and Solution	Parabola, Ellipse & Hyperbola
11	Organic Compound Containing Halogen, Oxygen and Nitrogen, Polymers								
12	Surface Chemistry, Purification and characterisation of organic compounds, Biomolecules, Chemistry in Everyday Life and Principles related to practical chemistry.								
<b>MATHEMATICS</b>		10	28 - 11 - 2010	Syllabus of Test # 6,7,8,9	Syllabus of Test # 6,7,8,9	Syllabus of Test # 6,7,8,9	Syllabus of Test # 6,7,8,9	Syllabus of Test # 6,7,8,9	Syllabus of Test # 6,7,8,9
01	Quadratic Equations, Sequences and Series								
02	Matrices & Determinants, Set, Relation								
03	Functions, Limit & Continuity	11	12 - 12 - 2010	Thermal Physics - I (Thermal Expansion, Calorimetry & Heat Transfer).	Chemical Thermodynamics & Thermochemistry	Complex Numbers	Magnetic effect of current and Magnetism.	Transition Element and Metallurgy	Area under the curve and Differential Equations
04	Differential Calculus (Differentiability, Differentiation, Maxima & Minima, Monotonicity, Tangent & Normal)								
05	Trigonometry, Binomial Theorem and Principle of Mathematical Induction								
06	Indefinite & Definite integration	12	26 - 12 - 2010	Thermal Physics - II (KTG & Thermodynamics).	Chemical Equilibrium, Ionic Equilibrium, Acid-Base Theory	Three Dimensional Geometry, Mathematical Reasoning, Statistics	Electromagnetic Induction (EMI), EM Waves, Alternating current .	Alkane, Alkene, Alkyne, Aromatic Hydrocarbon	Vectors and Three Dimensional geometry
07	Point, Straight Line & Circle								
08	Parabola, Ellipse & Hyperbola								
09	Area under the curve and Differential Equations	13	01 - 01 - 2011	SHM.	Alkane & Alkene	Permutation & Combination and Probability	Ray optics and optical Instruments, Wave optics (Nature of Light & Interference).	Organic Compound Containing Halogen, Oxygen and Nitrogen, Polymers	Complex Numbers, Mathematical Reasoning, Statistics
10	Vectors and Three Dimensional geometry								
11	Complex Numbers, Mathematical Reasoning, Statistics								
12	Permutation & Combination and Probability	14	23 - 01 - 2011	Wave Motion.	Alkyne, Aromatic Hydrocarbon	Functions, Limits & Differentiation	Modern Physics and Nuclear Physics; Practical Physics, Electronics and Principle of Communication.	Surface Chemistry, Purification and characterisation of organic compounds, Biomolecules, Chemistry in Everyday Life and Principles related to practical chemistry.	Permutation & Combination and Probability
01	Quadratic Equations, Sequences and Series								
02	Matrices & Determinants, Set, Relation								
03	Functions, Limit & Continuity	15	06 - 02 - 2011	Syllabus of Test # 11,12,13,14	Syllabus of Test # 11,12,13,14	Syllabus of Test # 11,12,13,14	Syllabus of Test # 11,12,13,14	Syllabus of Test # 11,12,13,14	Syllabus of Test # 11,12,13,14
04	Differential Calculus (Differentiability, Differentiation, Maxima & Minima, Monotonicity, Tangent & Normal)								
05	Trigonometry, Binomial Theorem and Principle of Mathematical Induction								
06	Indefinite & Definite integration								
07	Point, Straight Line & Circle								
08	Parabola, Ellipse & Hyperbola								
09	Area under the curve and Differential Equations								
10	Vectors and Three Dimensional geometry								
11	Complex Numbers, Mathematical Reasoning, Statistics								
12	Permutation & Combination and Probability								

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