

PETIT SEMINAIRE HIGHER SECONDARY SCHOOL
X STD SYLLABUS FOR THE YEAR 2007-2008

PHYSICS

EXAMS	LESSON NUMBER & TOPIC	PAGES	UNITS
MID TERM - I	From : Lesson 1 - Mechanics To : Lesson 2 - Light	From : 1 To : 40	From 1.1 To 2.7
QUARTERLY	From : Lesson 2 - Light To : Lesson 4 - Properties of Matter	From : 41 To : 80	From 2.8 To 4.2.6
MID-TERM - II	From : Lesson 4 - Properties of Matter To : Lesson 5 - Modern Physics	From : 81 To : 107	From 4.3 To 5.5.1
HALF YEARLY	From : Lesson 5 - Modern Physics To : Lesson 7 - Universe	From : 108 To : 137	From 5.5.2 To 7.7

CHEMISTRY

EXAMS	LESSON NUMBER & TOPIC	PAGES	UNITS
MID TERM - I	From : Lesson 1 - Atomic Structure To : Lesson 2 - Atomic, Molecular and Equivalent Mass	From : 1 To : 47	From 1.1 To 2.9
QUARTERLY	From : Lesson 3 - Laws of chemical combination To : Lesson 6 - Metals	From : 48 To : 109	From 3.1 To 6.5.5
MID-TERM - II	From : Lesson 7 - Non-metals To : Lesson 8 - Alcohols	From : 110 To : 139	From 7.1 To 8.3
HALF YEARLY	From : Lesson 9 - Ethers To : Lesson 11 - Chemistry and environment	From : 140 To : 175	From 9.1 To 11.5

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SYLLABUS FOR IX STANDARD FOR 2007-2008

PHYSICS

EXAMS	LESSON NUMBER & TOPIC	PAGES
MID TERM - I	From : Lesson 1 - Mechanics To : Lesson 2 - Hydrostatics [upto 2.2]	From : 1 To : 29

QUARTERLY	From : Lesson 2 - Mechanics To : Lesson 3 - Heat	From : 1 To : 61
MID-TERM - II	From : Lesson 4 - Light To : Lesson 4 - Light	From : 62 To : 81
HALF YEARLY	From : Lesson 1 - Mechanics To : Lesson 5 - Sound	From : 1 To : 102
MID-TERM - III	From : Lesson 6 - Electricity To : Lesson 6 - Electricity	From : 103 To : 127
ANNUAL	From : Lesson 1 - Mechanics To : Lesson 7 - Magnetism	From : 1 To : 147

CHEMISTRY

EXAMS	LESSON NUMBER & TOPIC	PAGES
MID TERM - I	From : Lesson 1 - Atomic theory To : Lesson 2 - Periodic table [upto 2.2]	From : 1 To : 26
QUARTERLY	From : Lesson 1 - Atomic Theory To : Lesson 3 - Gaseous State	From : 1 To : 52
MID-TERM - II	From : Lesson 4 - Chemical Bonding To : Lesson 5 - Noble gases	From : 53 To : 69
HALF YEARLY	From : Lesson 1 - Atomic Theory To : Lesson 6 - Halogens	From : 1 To : 89
MID-TERM - III	From : Lesson 7 - Solutions To : Lesson 8 - Organic Compound	From : 90 To : 113
ANNUAL	From : Lesson 1 - Atomic Theory To : Lesson 10- Industrial Chemistry	From : 1 To : 143

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SYLLABUS FOR VIII STANDARD FOR 2007-2008

PHYSICS

EXAMS	LESSON NUMBER & TOPIC	PAGES
MID TERM - I	From : Lesson 1 - Measurement To : Lesson 1 - Measurement	From : 1 To : 22
QUARTERLY	From : Lesson 1 - Measurement To : Lesson 2 - Mechanics	From : 1 To : 45

MID-TERM - II	From : Lesson 3 - Hydrostatics To : Lesson 3 - Hydrostatics	From : 46 To : 63
HALF YEARLY	From : Lesson 1 - Measurement To : Lesson 4 - Heat	From : 1 To : 85
MID-TERM - III	From : Lesson 4 - Heat To : Lesson 6 - Sound	From : 86 To : 110
ANNUAL	From : Lesson 1 - Measurement To : Lesson 7 - Electricity	From : 1 To : 125

CHEMISTRY

EXAMS	LESSON NUMBER & TOPIC	PAGES
MID TERM - I	From : Lesson 1 - Stiochiometry To : Lesson 1 - Stiochiometry	From : 1 To : 21
QUARTERLY	From : Lesson 1 - Stiochiometry To : Lesson 2 - Energy changes in chemical reaction (till the end of Sun - A Major source of energy)	From : 1 To : 41
MID-TERM - II	From : Lesson 2 - Future Option (topic) To : Lesson 3 - Carbon & Carbondioxide	From : 41 To : 65
HALF YEARLY	From : Lesson 1 - Stiochiometry To : Lesson 4 - Nitrogen & its odixes (till the end of laboratory preparation of Ammonia)	From : 1 To : 82
MID-TERM - III	From : Lesson 4 - Properties of NH ₃ To : Lesson 6 - Nitric Acid	From : 83 To : 104
ANNUAL	From : Lesson 1 - Stoichiometry To : Lesson 8 - Adulteration	From : 1 To : 123

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SYLLABUS FOR 7TH STD. FOR THE YEAR 2007 - 2008
PHYSICS

FIRST TERM

June	I	Chapter - 1 : Measurements : Volume - vol. of a liquid
	II	Measuring cylinder - flask - Burette - pipette
	III	Volume of irregular solids
	IV	Mass - Measurement of Mass
July	I	Weight - Distinction between Mass and Weight
	II	The simple pendulum

	III	REVISION AND FIRST MID TERM
	IV	Chapter 2 : Mechanics - Simple machines - Pulley The screw - wheel and axle - Machines and energy
August	I	Conservation of energy - ways of minimising friction - Advantages of friction
	II	Chapter 3 : Hydrostatics - Air pressure Aneroid - Altimeter
	III	Uses of a Barometer - Applications of fluid pressure
	IV	Siphon - pumps, lift pump
September	I	Force pump
	II	REVISION AND QUARTERLY EXAM
		SECOND TERM
October	I	Chapter 4 : Heat - Thermal expansion
	II	Liquid Thermometer - Determination of lower and upper fixed point - Thermometer scales
	III	The clinical thermometer - Maximum and minimum Thermometer Six's - Thermometer - Vapourisation
	IV	Boiling - Pressure cooker - Conduction - Convection land and sea breeze
November	I	Radiation - Thermoflask, Solar heat
	II	Revision - II Mid Term Test
	III	Chapter 5 - Light - Ray and beam - Pinhole camera
	IV	Formation of shadows - Eclipses
December	I	Reflection - plane mirror - Image formed in a plane mirror (Page-59)
	II	REVISION AND HALF YEARLY EXAMINATION
		THRID TERM
January	I	Refraction - Difference between reflection and
	II	Refraction - Newton's experiment - Rainbows
	III	Chapter 6 : Sound - Propagation through solid, liquid and gases - wave motion

- IV Longitudinal and transverse waves
- February I Conduction Hearing and Speaking - noise pollution
- THIR MID TERM TEST
- II Chapter 7 : Magnetism - Properties of a magnet
- III Test for magnet - Magnetic induction
- IV Making magnets - Magnetic substances
- March I Chapter 8 : Statis Electricity
Types of charges - Theory of electrification
- II Gold leaf electroscope - uses - conductors and Insulators.

REVISION AND ANNUAL EXAMINATION

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SYLLABUS FOR 7TH STD. FOR THE YEAR 2007 - 2008

CHEMISTRY

FIRST TERM

- June I & II Chapter - 1 Introduction - Composition of air
- III Air is a mixture
- IV Mixtures and Compounds
- July I Differences between compounds and mixtures
- II Volumetri composition of air
- III REVISION AND FIRST MID TERM
- IV Chapter - 2 Oxygen and Oxiders
- August I Discovery and occurance of oxygen
- II Preparation of oxygen
- III Physical and Chemical properties - uses
- IV Oxides - Types
- September I Revision - QUARTERLY EXAMINATION
- October I Chapter - 3 Acids, Bases and Salts
- II Introduction - Classification
- III Uses - Properties, Basicity of Acids.
- IV Reactions of Acids.
- November I Bases - Common bases and their classification
- II Revision - II Mid Term Test

	III	Physical and Chemical properties
	IV	Affinity for moisture and solubility in water - applications - Acidity of bases
December	I	Salts - preparation, Uses
	II	Revision - HALF YEAR EXAMINATION
		III Mid Term
January	I	Concept of atoms and molecules
	II	Classification of molecules - Difference between atom and molecule - sub atomic particles
	III	Arrangement of electrons in shells
	IV	Symbols for Element - Radicals
February	I	Valency - variable valency
	II	List of basic radicals
	III	Revision - III Mid Term
	IV	Chemical formula - steps for writing the chemical formula
March	I	Chemical formula of some acids - valency of elements from the formula of compounds
	II	Chemical equation - Need.
	III	Revision - ANNUAL EXAMINATION

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SYLLABUS FOR 6th STANDARD FOR 2007-2008

PHYSICS

MONTH	Week	CONTENTS	PAGE No.
FIRST TERM			
MEASUREMENT			
JUNE	1	Need for Measurement.	1
	2	Fundamental quantities and derived quantities.	2,3
	3	Units, Merits of S.I. system.	3,4
	4	Measurement of length, curved lines.	5,6,7
JULY	1	Diameter of cylinder - Circumference of cylinder - and volume.	8 - 13

	2	REVISION AND FIRST MID TERM TEST	1 - 13
		MECHANICS	
	3	Scalar, Vector, Rest and Motion.	18,19
	4	Types of Motion.	20,21
AUGUST	1	Distance, Displacement.	22
	2	Speed, Velocity, Acceleration.	23
	3	Problems.	24
	4	Problems.	25
SEPTEMBER	1	REVISION	
	2	QUARTERLY EXAMINATION	1 - 25
		SECOND TERM	
		HYDROSTATICS	
OCTOBER	1	Fluids at rest.	28
	2	Density of liquids.	29,30
	3	Thrust and Pressure.	31,32
	4	Liquid Pressure.	
NOVEMBER	1	REVISION AND SECOND MID TERM TEST	28 - 32
		HEAT	
NOVEMBER	2	Sources of heat - Heat and temperature.	37,38
	3	Effects of Heat	38,39
	4	Expansion of solids, liquids and gases	40 - 42
DECEMBER	1	REVISION AND HALF YEARLY EXAMINATION	1 - 42

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MONTH	Week	CONTENTS	PAGE No.
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		THIRD TERM	
		LIGHT	
JANUARY	1	Sources of Light - Luminous - Non-Luminous.	46,47

	2	Rays and Beams of light, Optical Media Differences.	47,48
	3	Rectilinear - Propagation of light - Pin-hole Camera.	48,49
	4	Shadows, Eclipses.	50 - 52
FEBRUARY	1	REVISION AND THIRD MID TERM TEST	46 - 52
		SOUND	
	2	Introduction.	55
	3	Music.	56
	4	Noise.	57
MARCH	1	Differences.	57
	2	Musical Instruments.	57
	3 & 4	REVISION	
APRIL	1	ANNUAL EXAMINATION	1 - 57

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SYLLABUS FOR 6th STANDARD FOR 2007-2008

CHEMISTRY

MONTH	Week	CONTENTS	PAGE No.
FIRST TERM			
LESSON: 1 CHEMISTRY IN LIVING WORLD			
JUNE	1	The different branches of Chemistry.	1 - 2
	2	Food.	3 - 4
	3	Vitamins.	5 - 6
	4	Shelter.	7 - 8
JULY	1	Health.	8 - 9
	2	Transport.	9 - 12
	3	FIRST MID TERM TEST	
LESSON: 2 STRUCTURE OF ATOM			
	4	Dalton's Atomic theory.	13

AUGUST	1	Sub-atomic particles.	14 - 16
	2	Concept of atoms and molecules.	16 - 17
	3	Representation of elements by symbols.	17
	4	The early symbols.	18 - 21
LESSON : 3 MATERIALS ON EARTH			
SEPTEMBER	1	Three states of matter - classification of matter	22-26
	2	QUARTERLY EXAMINATION	
SECOND TERM			
OCTOBER	1	Classification of elements in the metals and non-metals	27 - 29
	2	Alloys.	29 - 30
	3	Compounds.	30 - 32
	4	Mixtures.	32 - 36
LESSON: 4 SIMPLE METHODS OF SEPARATION OF MIXTURES			
NOVEMBER	1	Solids from Liquids - Filtration, Crystallisation	37 - 41
	2	SECOND MID TERM TEST	
	3	Solids from solids.	42 - 43
	4	Soluble solids and insoluble solids.	43 - 44
DECEMBER	1	Liquid from Liquid.	44 - 48
	2	HALF YEARLY EXAMINATION	

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MONTH	Week	CONTENTS	PAGE No.
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THIRD TERM

LESSON : 5 CHANGES AROUND US

JANUARY	1	Classification of changes.	49 - 51
	2	Role of heat.	51 - 53
	3	Conditions for chemical changes.	53 - 54
	4	Indications of chemical change.	55 - 56

FEBRUARY 1 Types of Chemical changes. 56 - 60

2 THIRD MID TERM TEST

LESSON : 6 POLLUTION

3 What is pollution? 61

MARCH 1 Causes for pollution. 62 - 64

2 Water pollution. 65 - 68

3 & 4 REVISION

APRIL 1 ANNUAL EXAMINATION

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PETIT SEMINAIRE HIGHER SECONDARY SCHOOL - PONDICHERRY
V STD. SYLLABUS - SCIENCE FOR THE YEAR 2005 - 2006

TERM - I

Month	Week	Topic	Page No.
June	II	Lesson - 1 - Living things	141 - 145
	III	Living things	"
	IV	Lesson - 2 - Special Characters of Living thing	147 - 152
July	I	- do -	"
	II	Lesson - 3 - Adaptibility of Plants and animals	154 - 160
	III	- do -	"
I MID TERM TEST			
	IV	Lesson - 4 - Reproduction through seeds	161 - 165
August	I	- do -	"
	II	Lesson - 5 - Human Body	166 - 175
	III	- do -	"
	IV	Lesson - 6 - The Quality of Food	176 - 181
September	I	- do -	"
REVISION QUARTERLY EXAMINATIONS			

TERM - II

October	I	Lesson - 7 - Preservation of food	104 - 114
	II	- do -	"
	III	Lesson - 8 - Safety and First Aid	115 - 122
	IV	- do -	"
November	I	Lesson - 9 - Soil Erosion and Preservation	123 - 128
	II	- do -	"

II MID TERM TEST

III Lesson - 10 - Air and its uses 129 - 136
IV - do - "

December REVISION
HALF YEARLY EXAMINATIONS

TERM - III

January I Lesson - 11 - Force, Work and Energy 87 - 100
II - do - "
III - do - "
IV Lesson - 12 - Our Earth and Sky 101 - 107

February I - do - "
II - do - "

III MID TERM TEST

III Lesson - 13 - Natural Resources 108 - 115
IV - do - "

March I - do - "

II & III REVISION
ANNUAL EXAMINATIONS

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