

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

BOTANY

Month	Unit	Topic	Page No.
June	1	Levels of organisation	1 - 16
	2	Physiology - upto fertilizers	17 - 23
July	2	Physiology - photosynthesis Transpiration	24 - 35
		I MID TERM TEST	1 - 35
July	2	Respiration, growth and plant hormones	36 - 50
August	3	Cell Biology upto mutation	51 - 64
September	3	Genetic engineering	64 - 71
		REVISION	
		QUARTERLY EXAMINATION	1 - 71
October	4	Reproduction in plants	72 - 87
	5	Economic Biology - upto Turmeric	88 - 95
November	5	Indian Medicines	95 - 99
		II MID TERM TEST	
November	6	Our Environment	100 - 113
	7	Applied Biology - upto agriculture quality control	114 - 116
December	7	Plant Breeding Eco friendly agriculture	117 - 122
		HALF - YEARLY EXAMINATION	1 - 122

ZOOLOGY

June	1	Levels of organisation	1 - 13
	2	Physiology - upto Respiration	14 - 30
July	2	Circulation, Related diseases	30 - 48
		I MID TERM TEST	
July	2	Endocrine system	48 - 65
August	3	Animal Reproduction - upto fertilization	66 - 80
September	3	Egg types	80 - 90
		QUARTERLY EXAMINATION	1 - 90

October	4	Our Environment	91 - 99
	5	Applied Embryology	100 - 114
November	6	Diseases and Immunity upto Hypertension	115 - 121
II MID TERM TEST			91 - 121
November	6	Addiction to Immunization	122 - 134
	7	Applied Biology - upto Vermiculture	135 - 143
December	7	Biomedical Instruments	143 - 155
HALF - YEARLY EXAMINATION			1 - 155

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MONTH	TOPICS	UNITS	PAGE No.

FIRST TERM			
June	1. Levels of organisation	1.1. Unicellular level e.g. Euglena 1.2. Multicellular level e.g. Ulothrix, Selaginella	1 - 11
July	2. Plant anatomy	1. Meristematic tissues 2. Permanent tissues A. Simple permanent tissues B. Complex permanent tissues 2.1. Internal structure of Dicot stem 2.2. Internal structure of Dicot root 2.3. Internal structure of Dicot leaf	14 - 21
I MID TERM TEST			
August	3. Cell Biology and Genetics	3.1. Cell division, Amitosis, Mitosis, Meiosis. 3.2. Mendelism - Monohybrid, Dihybrid crosses. 3.3. Incomplete dominance 3.4. Back cross & test cross.	24 - 36
Sept.	REVISION AND QUARTERLY EXAMINATION		1 - 36
SECOND TERM			
October	4. Reproduction in plants	4.1. Vegetative, Asexual and sexual reproductions upto contrivances for cross pollination	40 - 52
II MID TERM TEST			
November	Agents of pollination 1. Anemophily 2. Hydrophily 3. Entemophily Fertilization		52 - 57

December	5.Plant diseases	Casual agents Diseases caused by Viruses Diseases caused by bacteria Diseases caused by Fungi	61 - 66
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HALF YEARLY EXAMINATION 1 - 66

THIRD TERM

January	6.Our environment	Ecosystem, components of Ecosystem, Food Chain and Food Web Biogeochemical cycles 1) Carbon cycle 2) Oxygen cycle 3) Nitrogen cycle Conservation of nature Sericulture	68 - 77
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III MID TERM TEST

February	7.Natural resources	Renewable and non-renewable resources Oil and water	80 - 82
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March	8.Applied biology	Importance of crop plants Nutrients (Micro & Macro nutrients) Plant pests, Pest Control and Pesticides	84 - 89
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April REVISION AND ANNUAL EXAMINATION 1 - 89

ZOOLOGY

June	1.Classification of Animal Kingdom	Taxonomy, History of Taxonomy Animal nomenclature, Binomial nomenclature, Criteria for classification, Study of Bony fishes	1 - 9
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July	2.Human physiology	Various systems in the Human body upto Reproductive system	11 - 19
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I MID TERM TEST

August	2. Human physiology	Muscular system. Exeretary system.	19 - 29
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Sept. REVISION AND QUARTERLY EXAMINATION 1 - 29

SECOND TERM

October	2. Human physiology	Nervous system Sense organs - Eye, Ear, Nose and Tongue	29 - 44
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II MID TERM TEST

November	2. Human physiology	Reproductive system	44 - 47
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	Disorders and diseases of Human organ system	
December 3. Cancer Biology	Types, causes, symptoms and treatment of cancer	52 - 55

REVISION AND HALF YEARLY EXAMINATION 1 - 55

THIRD TERM

January 4. Diseases of animals and man	Biological agents or Pathogens Transmission, Types of diseases Immunology	57 - 76
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III MID TERM TEST

February 5. Applied Biology	Kinds of food, Spoilage of food Methods of Preservation Animal Husbandary, Poultry forming Apiculture	69 - 77
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March REVISION

ANNUAL EXAMINATION 1 - 77
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VIII Std BIOLOGY SYLLABUS FOR THE YEAR 2007 - 2008

BOTANY

MONTH TOPICS UNITS PAGE No.

FIRST TERM

June 1. Diversity of Living organisms	- Classification of Plant Kingdom - Nomenclature - Taxonomic Hierarchy - Contributions of Carolus Linnaeus	1 - 8
2. Orgnaisation of plants	- Root system - Shoot system	9 - 17
July " "	- Leaf	17 - 20
July " "	I MID TERM TEST - Photosynthesis	1 - 20 21 - 31
August 3. Cellular Organisation	- General sttructure of a plant cell - Cell Division - Amitosis - Mitosis - Significance of Cell Division	32 - 40
September	REVISION AND QUARTERLY EXAMINATION	1 - 40

SECOND TERM

Oct. 4. Thallaphyta	- Bacteria - Algae	
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		- Fungi	41 - 56
		II MID TERM TEST	41 - 56
Nov.	5. Bryophyta	- Merchantia	57 - 65
Dec.	6. Pteridophyta	- General characters	
		- Nephrolepis	66 - 74
		HALF YEARLY EXAMINATION	1 - 74

		THIRD TERM	
Jan.	7. Gymnosperms	- General characters	
		- Cycas	
		- Economic Importance of Gymnosperms	75 - 85
		III MID TERM TEST	75 - 85
Feb.	8. Genetics	- Life history of Mendel	
		- Experiments of Mendel	
		- Monohybrid cross	86 - 93
March	9. Our environment	- Irrigation	
		- Soil	
		- Fertility of the soil	
		- Conservation of the soil	
		- Crop rotation	
		- Importance of tree planting	94 - 101
April		REVISION AND ANNUAL EXAMINATION	1 - 101

ZOOLOGY

FIRST TERM

June	1. Diversity of living organisms	- Need for classification	
		- Nomenclature	
		- Units of classification	
		- Different methods of classification of Animals	1 - 12
July	" "	- Classification of animal kingdom	
		- Phylum protozoa to phylum echino dermata	
		- Phylum chordata	
		- Classes Pisces to Mammalia	12 - 19
		I MID TERM TEST	1 - 19

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MONTH	TOPICS	UNITS	PAGE No.
Aug.	2. Micro organism	- Paramecium	
	3. Macro organism	- Earthwormn	20 - 32
Sept.		QUARTERLY EXAMINATION	1 - 32

SECOND TERM

Oct.	4. Structural organisation of animals	- Digestive system of Frog	
		- Digestive system of Man	
		- Circulatory system	
		- Nervous system	33 - 58

II MID TERM TEST

Nov.	5. Health Care	- Health, Diseases, Infectious Diseases	59 - 67
Dec.	REVISION AND HALF YEARLY EXAMINATION		1 - 67

THIRD TERM

Jan.	6. Nutrition	- Carbohydrates - Proteins - Fats - Mineral Salts - Vitamins - Water	68 - 80
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III MID TERM TEST

Feb.	7. Economic Zoology	- Usefulness of Animals and Animal Products	81 - 89
Mar.	REVISION AND ANNUAL EXAMINATION		1 - 89

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VII STD SYLLABUS FOR THE YEAR 2007 - 2008

ZOOLOGY

FIRST TERM

June & July	Unit 1	Diversity of living organisms	1 - 12
July & Aug	Unit 2	Cellular organisation	13 - 20
		I MID TERM TEST	
July & Aug	Unit 2	Cellular organisation	21 - 40
Sep		REVISION AND QUARTERLY EXAMINATION	1 - 40
		SECOND TERM	
Oct.	Unit 3	Organisation of animals	41 - 60
		II MID TERM TEST	
Nov. & Dec.	Unit 4	Reproduction in animals	61 - 74
		REVISION AND HALF YEARLY EXAMINATION	1 - 74

THIRD TERM

Jan.	Unit 5	Health and Hygiene	75 - 85
	Unit 6	Organisms and Environment	86 - 95

III MID TERM TEST

Feb. & Mar.	Unit 7	Economic Zoology	96 - 107
Apr.		REVISION ANNUAL EXAMINATION	1 - 107

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FIRST TERM

June & July	Unit 1	Diversity of living organisms	1 - 10
	Unit 2	Cellular organisation	11 - 23
I MID TERM TEST			
July & Aug.	Unit 3	Organistaion of plants	24 - 35
Sep.	REVISION QUARTERLY EXAMINATION		1 - 35
SECOND TERM			
Oct.	Unit 4	Viruses	36 - 43
II MID TERM TEST			
Nov.	Unit 5	Thallophyta	44 - 61
Dec.	REVISION AND HALF YEARLY EXAMINATION		1 - 61
THIRD TERM			
Jan.	Unit 6	Bryophyta	62 - 68
	Unit 7	Pteridophyta	69 - 74
III MID TERM TEST			
Feb. & Mar.	Unit 8	Gymnosperms	75 - 80
	Unit 9	Our Environment	81 - 89
Apr.	REVISION ANNUAL EXAMINATION		1 - 89

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VI STD SYLLABUS FOR THE YEAR 2007 - 2008

MONTH	BOTANY	ZOOLOGY

FIRST TERM		
June	Bio-Diversity Virus	Bio-Diversity
July	Whittaker's classification	"
I MID TERM TEST	Page 1 to 13	Page 1 to 19
July	Kingdom Protista, Non-Vascular Cryptogams	Characteristic features of animals as living organisms (Upto page no.26)

