

Lesson Plan

Name of the Assistant/		Sapna Sharma
Class and Section:.....		B.Sc Botany (Semester - VI)
Subject:.....		Pest Management
Week		Topics
1	Day 1	Study of Important insects pests of Crops and Vegetables (Sugarcane).
	Day 2	Sugarcane Leaf-Hopper (Pyrilla Perpusilla)
	Day 3	Sugarcane White Fly (Aleurolobus Barodensis)
	Day 4	Sugarcane Top-Borer (Sciropophaga Nivella)
	Day 5	Sugarcane Root-Borer (Enmalocera Depresella)
	Day 6	
		Sunday
2	Day 7	Gurdaspus Borer (Bissetia Steniellus)
	Day 8	Life Cycle and Control of Pyrilla Perpusilla
	Day 9	Test
	Day 10	Cotton [Pink Bollworm (Pestiphora Gossypifolia)]
	Day 11	Red Cotton Bug (Dysderws Lingulatus)
	Day 12	
		Sunday
3	Day 13	Cotton Grey Weevil (Myllocerus Undecimpustu)
	Day 14	Cotton Jassid (Amrasca Devastans)
	Day 15	Life Cycle and Control of Pectinophore Gossypiella
	Day 16	Queries
	Day 17	Test
	Day 18	
		Sunday
4		<u>VasantPanchami</u>
	Day 19	Wheat Stem Borer (Sesamia Inferens)
		<u>Sir Chhotu Ram Jayanti</u>
	Day 20	Life Cycle and Control of Wheat,Nature of Damage
		<u>Republic Day</u>
	Day 21	
		Sunday
5	Day 22	Paddy [Gundhi Bug(Leptocoris Acuta)]
	Day 23	Rice Grasshopper (Hieroglyphus Banian)
	Day 24	Rice Stem Borer (Scirpophaga Incertullus)

1-Feb	Day 25	Rice Hispa (<i>Dicladispa Armigera</i>)
	Day 26	Life Cycle and Control of <i>Leptocorisa Acuta</i>
	Day 27	
		Sunday
2	Day 28	Test
	Day 29	Vegetables [<i>Raphidopalpa Faveicollis</i> (The Red Pumpkin Beetle)]
	Day 30	<i>Dacus Cucurbitas</i> (The Pumpkin Fruit Fly)
	Day 31	<i>Telranychus Tecarius</i> (The Vegetable Mite)
	Day 32	<i>Epilachna</i> (The Hadda Beetle)
		<u>MaharshiDayanandSaraswatiJayanti</u>
		Sunday
3	Day 33	Life Cycle and Control of <i>Aulacophora Faveicollis</i>
		<u>MahaShivratri</u>
	Day 34	Stored Grains [Pulse Beetle(<i>Callosobruchus Maculatus</i>)]
	Day 35	Rice Weevil (<i>Sitophilus Oryzae</i>)
	Day 36	Wheat Weevil (<i>Trogoderma Granarium</i>)
	Day 37	
		Sunday
4	Day 38	Rust Red Flour Beetles (<i>Tribocium Castaneum</i>)
	Day 39	Lesser Grain Borer (<i>Rhizopertha Dominica</i>)
	Day 40	Grain and Flour Moth (<i>Sitotroga Cerealella</i>)
	Day 41	Life Cycle and Control of <i>Trogoderma Granarium</i>
	Day 42	Queries
	Day 43	
		Sunday
5	Day 44	Test
	Day 45	Insect Control
	Day 46	Biological Control,History,Requirements

1-Mar		<u>Guru Ravidas Birthday</u>
		<u>Holi</u>
	Day 47	
		Sunday
2	Day 48	Precautions and Feasibility of Biological Agents for Control
	Day 49	Chemical Control
	Day 50	History, Categories of Pesticides
	Day 51	Important pesticides
	Day 52	Insect Repellants and Attachments
	Day 53	
		Sunday
3	Day 54	Queries
	Day 55	Test
	Day 56	Integrated Pest Management
	Day 57	Integrated Pest Management
	Day 58	Integrated Pest Management
	Day 59	
		Sunday
4	Day 60	Integrated Pest Management
	Day 61	Integrated Pest Management
	Day 62	Important Bird
	Day 63	Rodent Pests of Agriculture
		<u>Shaheedi Diwas of Bhagat Singh, Rajguru & Sukhdev</u>
	Day 64	
		<u>Sunday/ Ram Navami</u>
5	Day 65	Their Management
	Day 66	Queries
	Day 67	Test
		<u>Mahavir Jayanti</u>
	Day 68	Sugarcane (Leaf-Hopper and White Fly)
	Day 69	

1-Apr		Sunday
	Day 70	Sugarcane (Top-Borer and Root Borer)
	Day 71	Important Positions, Habits and Nature of Damage Caused
	Day 72	Queries
	Day 73	Cotton (Pink-Bollworm and Red Cotton Bug)
	Day 74	Cotton (Grey Weevil and Jassid)
	Day 75	
		Sunday
2	Day 76	Queries
	Day 77	Wheat and Paddy
	Day 78	Wheat (Stem Borer) Paddy (Rice Hispa)
	Day 79	Wheat (Stem Borer) Paddy (Rice Hispa)
	Day 80	Nature of Damage Caused for Wheat and Paddy
		Dr Ambedkar Jayanti / Vaisakhi
		Sunday
3	Day 81	Vegetables and Their Systematic Positions
	Day 82	Vegetables and Their Systematic Positions
		Parashurama Jayanti
	Day 83	Stored Grains (Pulse beetle)
	Day 84	Wheat Weevil and Rice Weevil
	Day 85	
		Sunday
4	Day 86	Insect and Chemical Control
	Day 87	Insect and Chemical Control
	Day 88	Pest Management
	Day 89	Pest Management
	Day 90	Unit Test
	Day 91	

Lesson Plan

Name of the Assistant/		Devender kumar
Class and Section:.....		Bsc Fourth sem
Subject:.....		Life and Diversity from Annelida to Hemichordata
Week		Topics
1	Day 1	Introduction to Phylum Annelida and general characters
	Day 2	Outline of classification
	Day 3	Description of classification
	Day 4	Biodiversity and economic importance
	Day 5	Systematic position and gen. charcters of Pheritima posthuma
	Day 6	
		Sunday
2	Day 7	External characters and locomotion
	Day 8	Digestive system
	Day 9	CIRCULATORY SYSTEM
	Day 10	Respiratory system
	Day 11	Excretory system
	Day 12	
		Sunday
3	Day 13	Sensory system and reproduction
	Day 14	Regeneration
	Day 15	Metamerism in Annelids
	Day 16	Origin and significance of metamerism
	Day 17	Trochophore larva
	Day 18	
		Sunday
4		<u>VasantPanchami</u>
	Day 19	Unit test
		<u>Sir Chhotu Ram Jayanti</u>
	Day 20	Introduction to Phylum Arthropoda and general characters
		<u>Republic Day</u>
	Day 21	
		Sunday
5	Day 22	Classification of Arthropods
	Day 23	Biodiversity and economic importance
	Day 24	Systematic position and gen. charcters of Periplaneta americana

1-Feb	Day 25	Digestive system
	Day 26	Respiratory system
	Day 27	
		Sunday
2	Day 28	Circulatory system
	Day 29	Excretory system
	Day 30	Nervous system
	Day 31	Endocrine system
	Day 32	
		<u>MaharshiDayanandSaraswatiJayanti</u>
		Sunday
3	Day 33	Reproductive system
		<u>MahaShivratri</u>
	Day 34	Unit test
	Day 35	Introduction to Phylum Mollusca and gen. characters
	Day 36	Classification
	Day 37	
		Sunday
4	Day 38	Biodiversity and economic importance
	Day 39	Systematic position of Pila globosa and external features
	Day 40	Digestive system
	Day 41	Respiratory system
	Day 42	Blood vascular system
	Day 43	
		Sunday
5	Day 44	Sense organs
	Day 45	Reproductive system
	Day 46	Torsion and Detorsion

1-Mar		<u>Guru Ravidas Birthday</u>
		<u>Holi</u>
	Day 47	Sunday
2	Day 48	Effect of Torsion on pila body
	Day 49	Respiration and Foot in mollusca
	Day 50	Unit test
	Day 51	Introduction to Phylum Echinodermata and gen. characters
	Day 52	Classification
	Day 53	
		Sunday
3	Day 54	Biodiversity and economic importance
	Day 55	Systematic position and general characters of Asterias
	Day 56	Digestive system
	Day 57	Water vascular system
	Day 58	Locomotion
	Day 59	
		Sunday
4	Day 60	Sense organs
	Day 61	Reproductive system
	Day 62	Life history and development
	Day 63	Regeneration
		<u>ShaheediDiwas of Bhagat Singh, Rajguru & Sukhdev</u>
	Day 64	
		<u>Sunday/ Ram Navami</u>
5	Day 65	Larvae of Echinodermata
	Day 66	Significance of larvae
	Day 67	Aristotle's Lantern
		<u>MahavirJayanti</u>
	Day 68	Significance of Lantern
	Day 69	

1-Apr		Sunday
	Day 70	General characters of Hemichordata
	Day 71	Classification
	Day 72	General characters of Balanoglossus
	Day 73	External characters and skeleton
	Day 74	Locomotion and Digestive system
	Day 75	
		Sunday
2	Day 76	Respiratory system
	Day 77	Circulatory system
	Day 78	Excretory system
	Day 79	Nervous and Reproductive system
	Day 80	
		Dr AmbedkarJayanti / Vaisakhi
		Sunday
3	Day 81	Development of Balanoglossus
	Day 82	Affinities of Balanoglossus
		ParashuramaJayanti
	Day 83	Unit test
	Day 84	Revision of Annelida
	Day 85	
		Sunday
4	Day 86	Revision of Arthropoda
	Day 87	Revision of Mollusca
	Day 88	Revision of Echinodermata
	Day 89	Revision of Hemichordata
	Day 90	Test of Whole syllabus
	Day 91	

Lesson Plan

Name of the Assistant/ Mr. Devendr Kumar

Class and Section:..... Fourth sem

Subject:..... Mammalian Physiology

Week		Topics
1	Day 1	Introduction to circulation
	Day 2	Origin of circulation
	Day 3	Conduction of heart beat
	Day 4	Regulation of heart beat
	Day 5	Cardiac cycle
	Day 6	
		Sunday
2	Day 7	Electrocardium
	Day 8	Cardiac output
	Day 9	Blood pressure
	Day 10	disease of blood pressure
	Day 11	Human blood
	Day 12	
		Sunday
3	Day 13	Function of blood
	Day 14	Lymph
	Day 15	Blood coagulation and anticoagulats
	Day 16	Haemopoiesis
	Day 17	Formation of blood components
	Day 18	
		Sunday
4		<u>VasantPanchami</u>
	Day 19	Unit test
		<u>Sir Chhotu Ram Jayanti</u>
	Day 20	Need of respiration, typer of respiration
		<u>Republic Day</u>
	Day 21	Exchange of gases
		Sunday
5	Day 22	Respiratory membrane
	Day 23	Transport of respiratory gases in blood
	Day 24	Oxygen dissociation curve

1-Feb	Day 25	Control of respiration
	Day 26	Biological significance of respiration
	Day 27	
		Sunday
2	Day 28	Unit test
	Day 29	Need of excretion and types of excretory products
	Day 30	Patterns of excretion
	Day 31	Excretory system of man
	Day 32	
		<u>MaharshiDayanandSaraswatiJayanti</u>
		Sunday
3	Day 33	Structure of nephron
		<u>MahaShivratri</u>
	Day 34	Renal blood supply and ornithine cycle
	Day 35	Urine formation
	Day 36	Composition and micturition
	Day 37	
		Sunday
4	Day 38	Osmoregulatory of kidnys
	Day 39	Unit test
	Day 40	Introduction to nervous system and st. of neuron
	Day 41	Types of nerve fibres
	Day 42	Nerve impulse
	Day 43	
		Sunday
5	Day 44	Mechanism of conduction of nerve impulse
	Day 45	Conduction of impulse through a synapse
	Day 46	Synaptic dealy

1-Mar		<u>Guru Ravidas Birthday</u>
		<u>Holi</u>
	Day 47	
		Sunday
2	Day 48	Synaptic fatigue
	Day 49	Interpretation of nerve impulses
	Day 50	Speed of nerve impulses
	Day 51	Unit test
	Day 52	Introduction to ENDOCRINOLOGY
	Day 53	
		Sunday
3	Day 54	Types of glands
	Day 55	Hormones , types,
	Day 56	Nomenclature of hormones
	Day 57	Thyroid gland and it's functions
	Day 58	Parathyroids
	Day 59	
		Sunday
4	Day 60	Adrenal gland and it' functions
	Day 61	Hypothalamas gland
	Day 62	Pituitory gland it's function
	Day 63	Disorders of pituitory
		<u>ShaheediDiwas of Bhagat Singh, Rajguru & Sukhdev</u>
	Day 64	
		<u>Sunday/ Ram Navami</u>
5	Day 65	Pancreas gland and it's function
	Day 66	Goands (testes)
	Day 67	Functions of testes
		<u>MahavirJayanti</u>
	Day 68	Ovaries and it's function
	Day 69	

1-Apr		Sunday
	Day 70	Functions of all types of hormones
	Day 71	Types of endocrine glands
	Day 72	Mechanism of action of hormones
	Day 73	Unit test
	Day 74	Introduction to reproduction and gametogenesis, spermatogenesis
	Day 75	
		Sunday
2	Day 76	Oogenesis
	Day 77	St. of sperm and ovum
	Day 78	Capacitation, ovulation and mechanism
	Day 79	Menstrual cycle
	Day 80	
		Dr Ambedkar Jayanti / Vaisakhi
		Sunday
3	Day 81	Oestrous cycle
	Day 82	Fertilisation, implantation, gestation
		Parashurama Jayanti
	Day 83	Parturition
	Day 84	Unit test
	Day 85	
		Sunday
4	Day 86	Revision of circulation
	Day 87	Revision of respiration
	Day 88	Revision of excretion
	Day 89	Revision of endocrinology
	Day 90	Revision of reproduction
	Day 91	

Lesson Plan

Name of the Assistant/ Praveen Kumar
Class and Section:..... B.Sc.(honors)2nd sem
Subject:..... Zoology

Week		Topics
1	Day 1	Class Amphibia- General characters
	Day 2	Origin of amphibians
	Day 3	Evolutionary tree- general introduction
	Day 4	Evolutionary tree of amphibians
	Day 5	Type study- Frog- Skin, skeleton
	Day 6	
		Sunday
2	Day 7	Type STUDY- RESPIRATORY SYSTEM
	Day 8	Digestive system
	Day 9	Nervous system
	Day 10	Circulatory system
	Day 11	Sense organs
	Day 12	
		Sunday
3	Day 13	Urinogenital system
	Day 14	Reproductive system
	Day 15	Parental care in amphibians
	Day 16	Revision
	Day 17	Unit Test I
	Day 18	
		Sunday
4		<u>VasantPanchami</u>
	Day 19	Class Reptilia- General characters
		<u>Sir Chhotu Ram Jayanti</u>
	Day 20	Exemplary explanations
		<u>Republic Day</u>
	Day 21	
		Sunday
5	Day 22	Type study- Hemidactylus
	Day 23	Skeletal system
	Day 24	Body wall description

1-Feb	Day 25	Digestive system
	Day 26	Respiratory system
	Day 27	
		Sunday
2	Day 28	Circulatory system
	Day 29	Nervous system
	Day 30	Urinogenital system
	Day 31	Sense organs
	Day 32	Reproductive system
		<u>MaharshiDayanandSaraswatiJayanti</u>
		Sunday
3	Day 33	Origin of reptiles
		<u>MahaShivratri</u>
	Day 34	Evolutionary tree of reptilia
	Day 35	Extinct reptiles
	Day 36	Poisonous and non poisonous snakes
	Day 37	
		Sunday
4	Day 38	Poison apparatus in snakes
	Day 39	Key for identification of snakes
	Day 40	Revision upto type study
	Day 41	Revision
	Day 42	Unit Test II
	Day 43	
		Sunday
5	Day 44	Class Aves- General characters
	Day 45	Type study -Pigeon
	Day 46	Biodiversity of aves and significance

1-Mar		<u>Guru Ravidas Birthday</u>
		<u>Holi</u>
	Day 47	
		Sunday
2	Day 48	Morphology and skn of pigeion
	Day 49	Skeletal system
	Day 50	Muscular system
	Day 51	Digestive system
	Day 52	Respiratory system
	Day 53	
		Sunday
3	Day 54	Urinogenital system
	Day 55	Reproductive system
	Day 56	Circulatory system
	Day 57	Nervous system
	Day 58	Sense organs
	Day 59	
		Sunday
4	Day 60	Revision upto type study
	Day 61	Flight adaptation in birds
	Day 62	Principle of aerodynamics in bird flight
	Day 63	Migration in birds
		<u>ShaheediDiwas of Bhagat Singh, Rajguru & Sukhdev</u>
	Day 64	
		<u>Sunday/ Ram Navami</u>
5	Day 65	Revision
	Day 66	Unit Test III
	Day 67	Class mammalia-general characters
	Day 68	Classification of mammalia with example explanation
	Day 69	

1-Apr		Sunday
	Day 70	Type study of Rat
	Day 71	Body wall description
	Day 72	Skeletal system
	Day 73	Digestive system
	Day 74	Respiratory system
	Day 75	
		Sunday
2	Day 76	Circulatory system
	Day 77	Reproductive system
	Day 78	Nervous system
	Day 79	Urinogenital system
	Day 80	
		Dr AmbedkarJayanti / Vaisakhi
		Sunday
3	Day 81	Sense organs
	Day 82	Adaptiv eradiation n mammals
		ParashuramaJayanti
	Day 83	Dentition in mammals
	Day 84	Revision
		Sunday
4	Day 86	Unit test 4
	Day 87	Revision unit 1&2
	Day 88	Revision unit 3&4
	Day 89	Test of Unit 1&2
	Day 90	Test of Unit 3
	Day 91	Test of unit 4

Lesson Plan

Name of the Assistant/Praveen Kumar

Class and Section:.....B.Sc. Medical 6th sem

Subject:.....Zoology (Paper-Developmental Biology)-6.2

Week	Topics
1	Day 1 Historical perspective of developmental biology
	Day 2 Aims of developmental biology
	Day 3 Scope of developmental biology
	Day 4 Generalized structure of ovum
	Day 5 Generalized structure of sperm
	Day 6
	Sunday
2	Day 7 Spermatogenesis
	Day 8 Spermatogenesis hormonal control
	Day 9 Oogenesis
	Day 10 vitellogenesis and hormonal control of oogenesis
	Day 11 Revision
	Day 12
	Sunday
3	Day 13 unit test1
	Day 14 Fertilisation basic
	Day 15 mechanism of fertilisation
	Day 16 Parthenogenesis
	Day 17 types and significance of parthenogenesis
	Day 18
	Sunday
4	VasantPanchami
	Day 19 Different types of eggs
	Sir Chhotu Ram Jayanti
	Day 20 cleavage
	Republic Day
	Day 21
	Sunday
5	Day 22 Patterns of cleavage in invertebrates
	Day 23 Patterns of cleavage in vertebrates
	Day 24 Process of blastulation in invertebrates

1-Feb	Day 25	Process of blastulation in vertebrates
	Day 26	Fate map construction
	Day 27	
		Sunday
2	Day 28	Fate map construction in frog
	Day 29	Fate map construction in chick
	Day 30	Revision
	Day 31	unit test 2
	Day 32	Gastrulation basic
		<u>MaharshiDayanandSaraswatiJayanti</u>
		Sunday
3	Day 33	Gastrulation in Invertebrates
		<u>MahaShivratri</u>
	Day 34	Gastrulation in vertebrates
	Day 35	Formation of three germinal layers
	Day 36	Germ layer in frog
	Day 37	
		Sunday
4	Day 38	Germ layer in chick
	Day 39	Development of frog
	Day 40	Post gastrular development
	Day 41	Metamorphosis
	Day 42	Development of chick
	Day 43	
		Sunday
5	Day 44	Stages of blastulation in chick
	Day 45	Elementary knowledge of primary organiser
	Day 46	Neural induction

1-Mar		<u>Guru Ravidas Birthday</u>
		<u>Holi</u>
	Day 47	Sunday
2	Day 48	Embryonic organisers in chordates
	Day 49	Revision
	Day 50	Revision
	Day 51	Unit Test III
	Day 52	Extraembryonic membranes
	Day 53	Sunday
3	Day 54	Structures of extraembryonic membranes
	Day 55	Significance in birds and mammals
	Day 56	Concept of competence
	Day 57	Concept of determination
	Day 58	Concept of differentiation
	Day 59	Sunday
4	Day 60	Revision upto differentiation
	Day 61	Class Test
	Day 62	Repair and Regeneration
	Day 63	Regeneration in chordates
	Day 64	<u>Shaheedidiwas of Bhagat Singh, Rajguru & Sukhdev</u>
	Day 64	<u>Sunday/ Ram Navami</u>
5	Day 65	Mechanism of regeneration
	Day 66	Control and physiological process involved in regeneration
	Day 67	Revision
	Day 68	<u>MahavirJayanti</u>
	Day 69	Unit Test IV

1-Apr		Sunday
	Day 70	Revision Unit I
	Day 71	Revision Unit I
	Day 72	Unit Test I
	Day 73	Revision Unit II
	Day 74	Revision Unit II
	Day 75	
		Sunday
	2	Day 76
Day 77		Revision Unit III
Day 78		Revision Unit III
Day 79		Unit Test III
Day 80		
		Dr AmbedkarJayanti / Vaisakhi
		Sunday
3	Day 81	Revision Unit IV
	Day 82	Revision Unit IV
		ParashuramaJayanti
	Day 83	Unit Test IV
	Day 84	
	Day 85	
		Sunday
4	Day 86	
	Day 87	
	Day 88	
	Day 89	
	Day 90	
	Day 91	

Lesson Plan

Name of the Assistant/ Manisha Kumari
Class and Section:..... B.Sc. MED-VI SEM
Subject:..... Economic Botany

Week		Topics
1	Day 1	Vavilov's centres of origin of crop plants
	Day 2	Origin of cereals - rice
	Day 3	Distribution and botanical description of rice
	Day 4	Brief idea of cultivation and economic uses of rice
	Day 5	Origin of wheat
	Day 6	
		Sunday
2	Day 7	Distribution and botanical description of wheat
	Day 8	Brief idea of cultivation and economic uses of wheat
	Day 9	Origin of maize
	Day 10	Distribution and botanical description of maize
	Day 11	Brief idea of cultivation and economic importance of maize
	Day 12	
		Sunday
3	Day 13	Origin of gram
	Day 14	Distribution and botanical description of gram
	Day 15	Brief idea of cultivation and economic uses of gram
	Day 16	Origin of arhar
	Day 17	Distribution and botanical description of arhar
	Day 18	
		Sunday
4		<u>VasantPanchami</u>
	Day 19	Brief idea of cultivation and economic uses of arhar
		<u>Sir Chhotu Ram Jayanti</u>
	Day 20	Origin of potato
		<u>Republic Day</u>
	Day 21	
		Sunday
5	Day 22	Distribution and botanical description of potato
	Day 23	Brief idea of cultivation and economic uses of potato
	Day 24	Origin of tomato

1-Feb	Day 25	Distribution and botanical description of tomato
	Day 26	Brief idea of cultivation and economic uses of tomato
	Day 27	
		Sunday
2	Day 28	Origin of onion
	Day 29	Distribution and botanical description of onion
	Day 30	Brief idea of cultivation and economic uses of onion
	Day 31	Revision
	Day 32	Unit Test
		<u>MaharshiDayanandSaraswatiJayanti</u>
		Sunday
3	Day 33	Orgin of cotton
		<u>MahaShivratri</u>
	Day 34	Distribution and botanical description of cotton
	Day 35	Brief idea of cultivation and economic uses of cotton
	Day 36	Origin of jute
	Day 37	
		Sunday
4	Day 38	Distribution and botanical description of jute
	Day 39	Brief idea of cultivation and economic uses of jute
	Day 40	Origin of flax
	Day 41	Distribution and botanical description of flax
	Day 42	Brief idea of cultivation and economic uses of flax
	Day 43	
		Sunday
5	Day 44	Origin of groundnut
	Day 45	Distribution and botanical description of groundnut
	Day 46	Brief idea of cultivation and economic uses of groundnut

1-Mar		<u>Guru Ravidas Birthday</u>
		<u>Holi</u>
	Day 47	Sunday
2	Day 48	Origin of mustard
	Day 49	Distribution and botanical description of mustard
	Day 50	Brief idea of cultivation and economic uses of mustard
	Day 51	Origin of sunflower
	Day 52	Distribution and botanical description of sunflower
	Day 53	
		Sunday
3	Day 54	Brief idea of cultivation and economic uses of sunflower
	Day 55	Origin of coconut
	Day 56	Distribution and botanical description of coconut
	Day 57	Brief idea of cultivation and economic uses of coconut
	Day 58	Revision
	Day 59	
		Sunday
4	Day 60	Unit Test
	Day 61	Morphological description of coriander
	Day 62	Brief idea of cultivation and economic uses of coriander
	Day 63	Morphological description of ferula
		<u>ShaheediDiwas of Bhagat Singh, Rajguru & Sukhdev</u>
	Day 64	
		<u>Sunday/ Ram Navami</u>
5	Day 65	Brief idea of cultivation and economic uses of ferula
	Day 66	Morphological description of ginger
	Day 67	Brief idea of cultivation and economic uses of ginger
		<u>MahavirJayanti</u>
	Day 68	Morphological description of turmeric
	Day 69	

1-Apr		Sunday
	Day 70	Brief idea of cultivation and economic uses of turmeric
	Day 71	Morphological description of cloves
	Day 72	Brief idea of cultivation and economic uses of cloves
	Day 73	Morphological description, cultivation and economic uses of-Cinchona
	Day 74	Rauwolfia
	Day 75	
		Sunday
2	Day 76	Atropa
	Day 77	Opium
	Day 78	Cannabis
	Day 79	Azadirachita
	Day 80	Withania
		Dr AmbedkarJayanti / Vaisakhi
		Sunday
3	Day 81	Botanical description , processing and uses of- tea
	Day 82	coffee
		ParashuramaJayanti
	Day 83	hevea
	Day 84	Sugarcane
	Day 85	
		Sunday
4	Day 86	General account and sources of timber
	Day 87	Energy plantations and biofuels
	Day 88	Revision
	Day 89	Unit Test
	Day 90	
	Day 91	

Lesson Plan

Name of the Assistant/ Manisha Kumari
Class and Section:..... B.Sc. Hons. Chemistry-II SEM
Subject:..... Plant physiology and metabolism

Week		Topics
1	Day 1	Cocepts of osmosis, diffusion
	Day 2	Cocepts of imbibition, water potential
	Day 3	Soil/plant/atmosphere continuum concept
	Day 4	Concept of symplast and apoplast
	Day 5	Ascent of sap
	Day 6	
		Sunday
2	Day 7	Transpiration and types of transpiration
	Day 8	Antitranspirants and their action
	Day 9	Mechanism of stomatal movement
	Day 10	Malate- K POSITIVE THEORY
	Day 11	Mineral nutrition
	Day 12	
		Sunday
3	Day 13	Role of different mineral nutrients
	Day 14	Absorption and transport of mineral nutrients
	Day 15	Tranlocation of photo assimilates
	Day 16	Munch's hypothesis
	Day 17	Revision of Unit I
	Day 18	
		Sunday
4		<u>VasantPanchami</u>
	Day 19	Unit Test
		<u>Sir Chhotu Ram Jayanti</u>
	Day 20	Photosynthetic pigment
		<u>Republic Day</u>
	Day 21	
		Sunday
5	Day 22	Discovery of photosystems
	Day 23	Types of Photosystems and their structures
	Day 24	Non-cyclic electron transport

1-Feb	Day 25	Cyclic electron transport
	Day 26	Photophosphorylation
	Day 27	
		Sunday
2	Day 28	Carbon fixation in C3 plants
	Day 29	Carbon fixation in C4 plants
	Day 30	Carbon fixation in CAM plants
	Day 31	Factors affecting photosynthesis
	Day 32	
		<u>MaharshiDayanandSaraswatiJayanti</u>
		Sunday
3	Day 33	Revision of photosynthesis
		<u>MahaShivratri</u>
	Day 34	INTRODUCTION OF RESPIRATION
	Day 35	Glycolysis
	Day 36	TCA Cycle and its regulation
	Day 37	
		Sunday
4	Day 38	Electron transport in mitochondria
	Day 39	Oxidative phosphorylation
	Day 40	Difference between phoshphorylation and photophosphorylation
	Day 41	Revision of Respiration
	Day 42	Unit Test
	Day 43	
		Sunday
5	Day 44	Structure of monosaccharides
	Day 45	Structure of disaccharides
	Day 46	Structure of polysaccharides

1-Mar		<u>Guru Ravidas Birthday</u>
		<u>Holi</u>
	Day 47	Sunday
2	Day 48	Properties of carbohydrates
	Day 49	Functions of carbohydrates
	Day 50	Syntheis of sucrose
	Day 51	Synthesis of starch
	Day 52	Syntheisis of cellulose
	Day 53	
		Sunday
3	Day 54	Revision of carbo metabolism
	Day 55	Biological nitrogen fixation
	Day 56	NITROGEN CYCLE
	Day 57	Revision of nitrogen metabisssm
	Day 58	Structure and properties of fatty acids, TGA and steroids
	Day 59	
		Sunday
4	Day 60	Classification of fatty acids
	Day 61	Significance of fatty acids
	Day 62	Synthesis of lipids
	Day 63	Breakdown of lipids
		<u>ShaheediDiwas of Bhagat Singh, Rajguru & Sukhdev</u>
	Day 64	
		<u>Sunday/ Ram Navami</u>
5	Day 65	Formation of glycerrides
	Day 66	Oxidation of fatty acids
	Day 67	Beta oxidation of fatty acids
		<u>MahavirJayanti</u>
	Day 68	Energy balance in lipid metabolism
	Day 69	

1-Apr		Sunday
	Day 70	Revision of lipid metabolism
	Day 71	Unit Test
	Day 72	Flowering and its physiological definition
	Day 73	Role of light in flowering
	Day 74	Photoperiodism
	Day 75	
		Sunday
2	Day 76	Inductive and non inductive cycles
	Day 77	Role of dark period
	Day 78	Role of quality and intensit of light
	Day 79	Nature of flowering stimulus
	Day 80	
		Dr AmbedkarJayanti / Vaisakhi
		Sunday
3	Day 81	Florigen concept
	Day 82	Vernalisation
		ParashuramaJayanti
	Day 83	Mechanism of Vernalisation
	Day 84	Structure of growth regulators
	Day 85	
		Sunday
4	Day 86	Biosynthesis of growth regulators
	Day 87	Physiological effects og growth regulators
	Day 88	Mechanism of action of growth regulators
	Day 89	Revision unit iv
	Day 90	Unit Test
	Day 91	

Lesson Plan

Name of the Assistant/		Manisha Kumari
Class and Section:.....		B.Sc. Medical VI SEM
Subject:.....		BOT-I (Plant biochemistry and biotechnology)
Week		Topics
1	Day 1	Basics of enzymology
	Day 2	Discovery of enzymes
	Day 3	Nomenclature of enzymes
	Day 4	Characteristics of enzymes
	Day 5	Concepts of holo enzymes
	Day 6	
		Sunday
2	Day 7	Concept of apoenzymes, coenzymes and cofactors
	Day 8	Regulation of enzyme activity
	Day 9	Mechanism of action of enzymes
	Day 10	Revision
	Day 11	Unit Test
	Day 12	
		Sunday
3	Day 13	ATP -The biological energy currency
	Day 14	Aerobic respiration/Glycolysis
	Day 15	Anerobic Respiration
	Day 16	Kreb Cycle
	Day 17	Electron transport mechanism
	Day 18	
		Sunday
4		<u>VasantPanchami</u>
	Day 19	Redox potential concept
		<u>Sir Chhotu Ram Jayanti</u>
	Day 20	Oxidative phosphorylation
		<u>Republic Day</u>
	Day 21	
		Sunday
5	Day 22	Pentose phosphate pathway
	Day 23	Difference between photosynthesis and respiration
	Day 24	Regulation of Respiration and factors affecting respiration

1-Feb	Day 25	Revision
	Day 26	Unit Test
	Day 27	
		Sunday
2	Day 28	Structures of lipids
	Day 29	Function of lipids
	Day 30	Fatty acid biosynthesis
	Day 31	Beta oxidation of fats
	Day 32	
		<u>MaharshiDayanandSaraswatiJayanti</u>
		Sunday
3	Day 33	Alpha oxidation of fats
		<u>MahaShivratri</u>
	Day 34	Saturated and Unsaturated fatty acids
	Day 35	Storage of fatty acids
	Day 36	Mobilisation of fatty acids
	Day 37	
		Sunday
4	Day 38	Revision upto lipid metabolism
	Day 39	Test
	Day 40	Biology of nitrogen fixation
	Day 41	Importance of Nitrate Reductase
	Day 42	
	Day 43	
		Sunday
5	Day 44	Regulation of nitrate reductase
	Day 45	Ammonium assimilation
	Day 46	Revision of nitrogen metabolism

1-Mar		<u>Guru Ravidas Birthday</u>
		<u>Holi</u>
	Day 47	
		Sunday
2	Day 48	Unit Test
	Day 49	Tools of recombinant DNA Technology
	Day 50	Techniques of RDT
	Day 51	Cloning Vectors
	Day 52	
	Day 53	
		Sunday
3	Day 54	Genomic library
	Day 55	cDNA library
	Day 56	Transposabl elements
	Day 57	Aspects of plant tissue culture
	Day 58	
	Day 59	
		Sunday
4	Day 60	Cellular totipotency
	Day 61	Differentiation
	Day 62	Morphogenesis
	Day 63	Biology of Agrobacterium
		<u>ShaheediDiwas of Bhagat Singh, Rajguru & Sukhdev</u>
	Day 64	
		<u>Sunday/ Ram Navami</u>
5	Day 65	Agrobacterium as a vector for gene tranfer
	Day 66	Prokaryotic vectors
	Day 67	Eukaryotic vectors
		<u>MahavirJayanti</u>
	Day 68	
	Day 69	

1-Apr		Sunday
	Day 70	Marker genes
	Day 71	Reporter genes
	Day 72	PCR
	Day 73	Strilisation techniques
	Day 74	
	Day 75	
		Sunday
2	Day 76	Different types of tissue culture
	Day 77	Revision of RDT
	Day 78	Revision of plant tissue culture
	Day 79	Unit Test
	Day 80	
		Dr AmbedkarJayanti / Vaisakhi
		Sunday
3	Day 81	Revision of Unit 1
	Day 82	Revision of Unit 1
		ParashuramaJayanti
	Day 83	Unit Test
	Day 84	Revision of Unit 2
	Day 85	Unit Test
		Sunday
4	Day 86	Revision of Unit 3
	Day 87	Revision of Unit 3
	Day 88	Unit Test
	Day 89	Revision of Unit 4
	Day 90	Revision of Unit 4
	Day 91	Unit Test

Lesson Plan

Name of the Assistant/ Praveen Kumar
Class and Section:..... B.Sc. Medical 4th sem
Subject:..... Zoology

Week		Topics
1	Day 1	Class Amphibia- General characters
	Day 2	Origin of amphibians
	Day 3	Evolutionary tree- general introduction
	Day 4	Evolutionary tree of amphibians
	Day 5	Type study- Frog- Skin, skeleton
	Day 6	
		Sunday
2	Day 7	Type STUDY- RESPIRATORY SYSTEM
	Day 8	Digestive system
	Day 9	Nervous system
	Day 10	Circulatory system
	Day 11	Sense organs
	Day 12	
		Sunday
3	Day 13	Urinogenital system
	Day 14	Reproductive system
	Day 15	Parental care in amphibians
	Day 16	Revision
	Day 17	Unit Test I
	Day 18	
		Sunday
4		<u>VasantPanchami</u>
	Day 19	Class Reptilia- General characters
		<u>Sir Chhotu Ram Jayanti</u>
	Day 20	Exemplary explanations
		<u>Republic Day</u>
	Day 21	
		Sunday
5	Day 22	Type study- Hemidactylus
	Day 23	Skeletal system
	Day 24	Body wall description

1-Feb	Day 25	Digestive system
	Day 26	Respiratory system
	Day 27	
		Sunday
2	Day 28	Circulatory system
	Day 29	Nervous system
	Day 30	Urinogenital system
	Day 31	Sense organs
	Day 32	Reproductive system
		<u>MaharshiDayanandSaraswatiJayanti</u>
		Sunday
3	Day 33	Origin of reptiles
		<u>MahaShivratri</u>
	Day 34	Evolutionary tree of reptilia
	Day 35	Extinct reptiles
	Day 36	Poisonous and non poisonous snakes
	Day 37	
		Sunday
4	Day 38	Poison apparatus in snakes
	Day 39	Key for identification of snakes
	Day 40	Revision upto type study
	Day 41	Revision
	Day 42	Unit Test II
	Day 43	
		Sunday
5	Day 44	Class Aves- General characters
	Day 45	Type study -Pigeon
	Day 46	Biodiversity of aves and significance

1-Mar		<u>Guru Ravidas Birthday</u>
		<u>Holi</u>
	Day 47	
		Sunday
2	Day 48	Morphology and skn of pigeion
	Day 49	Skeletal system
	Day 50	Muscular system
	Day 51	Digestive system
	Day 52	Respiratory system
	Day 53	
		Sunday
3	Day 54	Urinogenital system
	Day 55	Reproductive system
	Day 56	Circulatory system
	Day 57	Nervous system
	Day 58	Sense organs
	Day 59	
		Sunday
4	Day 60	Revision upto type study
	Day 61	Flight adaptation in birds
	Day 62	Principle of aerodynamics in bird flight
	Day 63	Migration in birds
		<u>ShaheediDiwas of Bhagat Singh, Rajguru & Sukhdev</u>
	Day 64	
		<u>Sunday/ Ram Navami</u>
5	Day 65	Revision
	Day 66	Unit Test III
	Day 67	Class mammalia-general characters
	Day 68	Classification of mammalia with example explanation
	Day 69	

1-Apr		Sunday
	Day 70	Type study of Rat
	Day 71	Body wall description
	Day 72	Skeletal system
	Day 73	Digestive system
	Day 74	Respiratory system
	Day 75	
		Sunday
2	Day 76	Circulatory system
	Day 77	Reproductive system
	Day 78	Nervous system
	Day 79	Urinogenital system
	Day 80	
		Dr AmbedkarJayanti / Vaisakhi
		Sunday
3	Day 81	Sense organs
	Day 82	Adaptiv eradiation n mammals
		ParashuramaJayanti
	Day 83	Dentition in mammals
	Day 84	Revision
		Sunday
4	Day 86	Unit test 4
	Day 87	Revision unit 1&2
	Day 88	Revision unit 3&4
	Day 89	Test of Unit 1&2
	Day 90	Test of Unit 3
	Day 91	Test of unit 4

Lesson Plan

Name of the Assistant/ Sarita

Class and Section:..... B.Sc. MED-II SEM

Subject:..... GENETICS

Week		Topics
1	Day 1	Introduction of genetics
	Day 2	Elements of heredity
	Day 3	Elements of variations
	Day 4	Gene interaction and its introduction
	Day 5	Dominant epistasis
	Day 6	
		Sunday
2	Day 7	Duplicate dominant epistasis
	Day 8	Recessive epistasis
	Day 9	Duplicate recessive epistasis
	Day 10	Dominant recessive epistasis
	Day 11	Allelic interactions
	Day 12	
		Sunday
3	Day 13	CO-Dominance and incomplete dominance
	Day 14	Introduction and discovery of linkage
	Day 15	Coupling and repulsion hypothesis
	Day 16	Crossing over and chiasma formation
	Day 17	Gene mapping
	Day 18	
		Sunday
4		<u>VasantPanchami</u>
	Day 19	Revision
		<u>Sir Chhotu Ram Jayanti</u>
	Day 20	Unit Test
		<u>Republic Day</u>
	Day 21	
		Sunday
5	Day 22	Sex determination-male and female heterozygous system
	Day 23	Genetic balance system
	Day 24	Role of Y-Chromosome

1-Feb	Day 25	Male haploidy
	Day 26	Cytoplasmic and environmental factors
	Day 27	
		Sunday
2	Day 28	Role of hormones in sex determination
	Day 29	Revision of sex determination
	Day 30	Sex linked inheritance
	Day 31	Haemophilia
	Day 32	
		<u>MaharshiDayanandSaraswatiJayanti</u>
		Sunday
3	Day 33	Colour blindness in man
		<u>MahaShivratri</u>
	Day 34	Eye color in Drosophila
	Day 35	Non disjunction of sex chromosome in Drosophila
	Day 36	Sex linked and sex influenced inheritance
	Day 37	
		Sunday
4	Day 38	Introduction to extrachromosomal and cytoplasmic inheritance
	Day 39	Kappa particles in paramecium
	Day 40	Shell coiling in snails
	Day 41	Milk factor in mice
	Day 42	Revision
	Day 43	
		Sunday
5	Day 44	Unit Test
	Day 45	Multiple allelism
	Day 46	Eye color in Drosophila

1-Mar		<u>Guru Ravidas Birthday</u>
		<u>Holi</u>
	Day 47	
		Sunday
2	Day 48	ABO blood group in man
	Day 49	Human karyotype
	Day 50	Chromosomal abnormalities involving autosomes and sex chromosomes
	Day 51	Monozygotic and dizygotic twins
	Day 52	Inborn errors of metabolism-Alkaptonuria, phenylketonuria
	Day 53	
		Sunday
3	Day 54	Albinism
	Day 55	Sickle cell anaemia
	Day 56	Revision
	Day 57	Unit Test
	Day 58	Nature and function of genetic material
	Day 59	
		Sunday
4	Day 60	Structure and types of nucleic acids
	Day 61	Protein synthesis
	Day 62	Spontaneous and induced mutation
	Day 63	Gene mutations
		<u>Shaheedidiwas of Bhagat Singh, Rajguru & Sukhdev</u>
	Day 64	
		<u>Sunday/ Ram Navami</u>
5	Day 65	Chemical basis of mutation
	Day 66	Structural aberration
	Day 67	Numerical aberrations
		<u>MahavirJayanti</u>
	Day 68	Role of polyploidy
	Day 69	

1-Apr		Sunday
	Day 70	Applied genetics- Eugeneics
	Day 71	Euphenics and euthenics
	Day 72	Genetic counselling
	Day 73	prenatal diagnostics
	Day 74	DNA fingerprinting
	Day 75	
		Sunday
2	Day 76	Transgenic animals
	Day 77	Revision
	Day 78	Unit Test
	Day 79	Revision of unit I
	Day 80	
		Dr AmbedkarJayanti / Vaisakhi
		Sunday
3	Day 81	Revision of Unit I
	Day 82	Unit Test I
		ParashuramaJayanti
	Day 83	Revision of Unit II
	Day 84	Revision of Unit II
	Day 85	
		Sunday
4	Day 86	UNIT TEST II
	Day 87	Revision of Unit III
	Day 88	Revision of Unit III
	Day 89	UNIT TEST III
	Day 90	Revision of Unit IV
	Day 91	Revision of Unit IV

Lesson Plan

Name of the Assistant/ Sarita

Class and Section:..... B.SC. Hons. Chemistry- IV SEM

Subject:..... Genomics

Week		Topics
1	Day 1	Introduction genomics
	Day 2	An elementary idea of gene mapping
	Day 3	Gene mapping in bacteria
	Day 4	Numerical problems of gene mapping
	Day 5	
	Day 6	
		Sunday
2	Day 7	Revision of gene mapping
	Day 8	Introduction of transposons
	Day 9	Prokaryotic transposons
	Day 10	Eukaryotic transposons
	Day 11	
	Day 12	
		Sunday
3	Day 13	Transposition mechanism
	Day 14	Revision of transposons and transposable elements
	Day 15	Introduction of genetic mutation
	Day 16	Types of mutation
	Day 17	
	Day 18	
		Sunday
4		<u>VasantPanchami</u>
	Day 19	Causes of mutation
		<u>Sir Chhotu Ram Jayanti</u>
	Day 20	Nomenclature based on mutation
		<u>Republic Day</u>
	Day 21	
		Sunday
5	Day 22	Revision of mutation
	Day 23	Unit Test
	Day 24	Introduction of mutagenesis

1-Feb	Day 25	Causes of mutagenesis
	Day 26	
	Day 27	
		Sunday
2	Day 28	Consequences of mutagenesis
	Day 29	Types of DNA repair 1
	Day 30	Types of DNA repair pathways (a)
	Day 31	Types of DNA repair pathways (b)
	Day 32	
		<u>MaharshiDayanandSaraswatiJayanti</u>
		Sunday
3	Day 33	Error prone repair and mutagenesis
		<u>MahaShivratri</u>
	Day 34	Revision of Unit II
	Day 35	Unit Test
	Day 36	
	Day 37	
		Sunday
4	Day 38	Introduction to Gene families
	Day 39	Multigene families with conserved domains
	Day 40	Example discussion of multigene families
	Day 41	Repetitive DNA
	Day 42	
	Day 43	
		Sunday
5	Day 44	Types of repetitive DNA
	Day 45	General account of comparative genomics
	Day 46	Overview of prokaryotic genome

1-Mar		<u>Guru Ravidas Birthday</u>
		<u>Holi</u>
	Day 47	
		Sunday
2	Day 48	Overview of euaryotic genome
	Day 49	Comparision of pro and eu- genome by comparative genomics
	Day 50	Revision of gene families and comparative genomics
	Day 51	Unit Test
	Day 52	
	Day 53	
		Sunday
3	Day 54	Introduction to genome project
	Day 55	History of HGP
	Day 56	Organisation of HGP
	Day 57	Goals and planning pf HGP
	Day 58	
	Day 59	
		Sunday
4	Day 60	Mapping strategy
	Day 61	Mitochondrial genome
	Day 62	Simmilarity of mitochondrial genome with prokaryotic genome
	Day 63	Revision of Unit IV
		<u>ShaheediDiwas of Bhagat Singh, Rajguru & Sukhdev</u>
	Day 64	
		<u>Sunday/ Ram Navami</u>
5	Day 65	Unit Test
	Day 66	Revision of UNIT I
	Day 67	Revision of UNIT I
		<u>MahavirJayanti</u>
	Day 68	UNIT TEST I
	Day 69	

1-Apr		Sunday
	Day 70	Revision of UNIT II
	Day 71	Revision of UNIT II
	Day 72	UNIT TEST II
	Day 73	Revision of UNIT III
	Day 74	
	Day 75	
		Sunday
2	Day 76	Revision of UNIT III
	Day 77	Revision of UNIT III
	Day 78	UNIT TEST III
	Day 79	
	Day 80	
		Dr AmbedkarJayanti / Vaisakhi
		Sunday
3	Day 81	Revision of UNIT IV
	Day 82	Revision of UNIT IV
		ParashuramaJayanti
	Day 83	UNIT TEST IV
	Day 84	
	Day 85	
		Sunday
4	Day 86	
	Day 87	
	Day 88	
	Day 89	
	Day 90	
	Day 91	