

# DEPARTMENT OF ZOOLOGY

## EVEN SEMESTER: ACADEMIC PLANNER 2025

### II SEMESTER - Diversity of Life-II (PROTOCHORDATA TO MAMMALIA)

Week/Month and Date	Day	Portions Planned for 1 hour	Teacher	
<b>FEB</b>	<b>1st week</b>	<b>1</b>	<b>Unit-I</b> 1.1 General characters of chordates. Origin of chordates	<b>CB</b>
		<b>2</b>	<b>Unit-IV</b> Chapter 5: Class Reptilia • General characters and outline classification of modern reptiles with suitable examples.	<b>RB</b>
			<b>Unit-III</b> Chapter 5: Class Reptilia • General characters and outline classification of modern reptiles with suitable examples	<b>RB</b>
		<b>3</b>	<b>Unit-III</b> Chapter 3: Super class: Pisces • Salient features and classification up to subclasses- • Differences between Chondrichthyes and Osteichthyes	<b>DL</b>
	<b>2nd week</b>	<b>1</b>	<b>Unit-I</b> 1.1 Basic Chordate characters and outline classification up to classes.	<b>CB</b>
		<b>2</b>	<b>Unit-III</b> Chapter 5: Class Reptilia • General characters and outline classification of modern reptiles with suitable examples	<b>RB</b>
			Adaptive radiation in extinct reptiles with suitable examples	<b>RB</b>
		<b>3</b>	<b>Unit-III</b> Scoliodon: Morphology, digestive system, circulatory system - afferent arterial system, neuromast organs (Lateral line sensory system and Ampullae of Lorenzini) and urinogenital system.	<b>DL</b>
	<b>3rd week</b>	<b>1</b>	<b>Unit-I</b> Basic Chordate characters and outline classification up to classes.	<b>CB</b>
		<b>2</b>	<b>Unit-III</b> Temporal fossae in reptiles.	<b>RB</b>
		<b>Unit-III</b> Poisonous and non-poisonous snakes, Poison apparatus in snakes, venom and its types. Common poisonous snakes of India. Anti-venom	<b>RB</b>	
<b>3</b>		<b>Unit-III</b> Scoliodon: Morphology, digestive system, circulatory system - afferent	<b>DL</b>	

			arterial system, neuromast organs (Lateral line sensory system and Ampullae of Lorenzini) and urinogenital system.	
	4th week	1	<b>Unit-I</b> Cephalochordata: • Amphioxus – Morphology, digestive system, feeding mechanism and circulatory system.	<b>CB</b>
			<b>Unit-III</b> Poisonous and non-poisonous snakes, Poison apparatus in snakes, venom and its types. Common poisonous snakes of India. Anti-venom	<b>RB</b>
		2	<b>UNIT III</b> interesting features of Sphenodon.	<b>RB</b>
		3	<b>Unit-III</b> Parental care in fishes – (Hippocampus, Tilapia, Betta and Arius jella) • Salient features of Placodermi and Ostracodermi with examples.	<b>DL</b>

Week/Month and Date	Day	Portions Planned for 1 hour		Teacher
MAR	1st week	1	<b>Unit-I</b> Cephalochordata: • Amphioxus – Morphology, digestive system, feeding mechanism and circulatory system.	<b>CB</b>
		2	Chapter 6: Class Aves • General characters and classification up to orders with examples. • Differences between Ratitae and Carinatae	<b>RB</b>
			Interesting features of Archaeopteryx	<b>RB</b>
		3	<b>Unit-III</b> Parental care in fishes – (Hippocampus, Tilapia, Betta and Arius jella) • Salient features of Placodermi and Ostracodermi with examples.	<b>DL</b>
	2nd week	1	<b>Unit-I</b> Cephalochordata: • Amphioxus – Morphology, digestive system, feeding mechanism and circulatory system.	<b>CB</b>
		2	Flight adaptations in birds (Morphological, anatomical and physiological) •	<b>RB</b>
			Migration in Birds – Types, causes and theories.	<b>RB</b>
		3	<b>Unit-III</b> Dipnoi: Interesting features and their evolutionary significance.	<b>DL</b>
	3rd week	1	<b>Unit-I</b> Urochordata: • Type study of Herdmania- Morphology, tadpole of Herdmania and retrogressive metamorphosis	<b>CB</b>
		2	Chapter 7: Class Mammalia • General characters and classification up to subclasses (Prototheria, Metatheria and Eutheria) with suitable examples	<b>RB</b>

			Chapter 7: Class Mammalia • General characters and classification up to subclasses (Prototheria, Metatheria and Eutheria) with suitable examples	<b>RB</b>
		3	<b>Unit-IV</b> : Class Amphibia • General characters and classification of class Amphibia up to living orders, with suitable examples.	<b>DL</b>
	<b>4th week</b>	1	<b>Unit-I</b> Urochordata: • Type study of Herdmania- Morphology, tadpole of Herdmania and retrogressive metamorphosis	<b>CB</b>
		2	<b>Unit-IV</b> Interesting features of mammalian orders- Insectivora, Carnivora (Pinnipedia and Fissipedia), Chiroptera (Mega and Micro), Cetacea (Mystoceti and Odontoceti), Proboscidea (Indian Elephant and African Elephant), Ungulata (Perissodactyla and Artiodactyla) and Primates (Platyrrhini and Catarrhini) with examples..	<b>RB</b>
			<b>Unit-IV</b> Interesting features of mammalian orders- Insectivora, Carnivora (Pinnipedia and Fissipedia), Chiroptera (Mega and Micro), Cetacea (Mystoceti and Odontoceti), Proboscidea (Indian Elephant and African Elephant), Ungulata (Perissodactyla and Artiodactyla) and Primates (Platyrrhini and Catarrhini) with examples.	<b>RB</b>
		3	<b>Unit-IV</b> : Class Amphibia • General characters and classification of class Amphibia up to living orders, with suitable examples.	<b>DL</b>

<b>Week/Month and Date</b>		<b>Day</b>	<b>Portions Planned for 1 hour</b>	<b>Teacher</b>
<b>APRIL</b>	<b>1st week</b>	1	<b>Unit-I</b> Urochordata: • Type study of Herdmania- Morphology, tadpole of Herdmania and retrogressive metamorphosis.	<b>CB</b>
		2	<b>Unit-IV</b> Chapter 8: Dentition in mammals • Definition, structure of molar tooth	<b>RB</b>

			<b>Unit-IV</b> Types – Morphological, based on attachment, succession and kinds of teeth. Significance of teeth.	<b>RB</b>
		3	<b>Unit-II</b> Neoteny and Paedogenesis • Parental care in Amphibia – (Pipa, Ichthyophis, Alytes, Gastrothecus)	<b>DL</b>
	2nd week	1	<b>Unit- I</b> Urochordata: • Type study of Herdmania- Morphology, tadpole of Herdmania and retrogressive metamorphosis	<b>CB</b>
		2	<b>Unit-IV</b> Types – Morphological, based on attachment, succession and kinds of teeth. Significance of teeth.	<b>RB</b>
			<b>Unit-IV</b> Dental formula (Horse, Dog, Man, Cat, Rabbit and Elephant)	<b>RB</b>
		3	<b>Unit-II</b> Neoteny and Paedogenesis • Parental care in Amphibia – (Pipa, Ichthyophis, Alytes, Gastrothecus)	<b>DL</b>
	3rd week	1	<b>Unit-II</b> Chapter 2: Agnatha • General characters and classification up to classes, Differences between lampreys and hag fishes.	<b>CB</b>
		2	<b>Unit-IV</b> pattern of cheek teeth (Bunodont, Secodont, Selenodont and Lophodont).	<b>RB</b>
			<b>Unit-IV</b> Evolution of molar tooth.	<b>RB</b>
		3	<b>Unit-IV</b> Origin of Amphibia.	<b>DL</b>
	4th week	1	<b>Unit-II</b> Chapter 2: Agnatha • General characters and classification up to classes, Differences between lampreys and hag fishes.	<b>CB</b>
		2		<b>RB</b>
				<b>RB</b>
		3	SEMINAR	<b>DL</b>

Week/Month and Date		Day	Portions Planned for 1 hour	Teacher
<b>MAY</b>	1st week	1	<b>Unit-II</b> Chapter 2: Agnatha • General characters and classification up to classes, Differences between lampreys and hag fishes. <b>Unit-I</b> Urochordata: • Type study	<b>CB</b>

			of Herdmania- Morphology, tadpole of Herdmania and retrogressive metamorphosis.	
		2	<b>Unit-IV</b> Chapter 8: Dentition in mammals • Definition, structure of molar tooth	<b>RB</b>
			<b>Unit-IV</b> Types – Morphological, based on attachment, succession and kinds of teeth. Significance of teeth.	<b>RB</b>
		3	<b>Unit-II</b> Neoteny and Paedogenesis • Parental care in Amphibia – (Pipa, Ichthyophis, Alytes, Gastrothecus)	<b>DL</b>
	2nd week	1	<b>Unit-II</b> Chapter 2: Agnatha • General characters and classification up to classes, Differences between lampreys and hag fishes.	<b>CB</b>
		2	<b>Unit-IV</b> Types – Morphological, based on attachment, succession and kinds of teeth. Significance of teeth.	<b>RB</b>
			<b>Unit-IV</b> Dental formula (Horse, Dog, Man, Cat, Rabbit and Elephant)	<b>RB</b>
		3	<b>Unit-II</b> Neoteny and Paedogenesis • Parental care in Amphibia – (Pipa, Ichthyophis, Alytes, Gastrothecus)	<b>DL</b>
	3rd week	1	<b>Unit-II</b> Chapter 2: Agnatha • General characters and classification up to classes, Differences between lampreys and hag fishes.	<b>CB</b>
		2	<b>Unit-IV</b> attern of cheek teeth (Bunodont, Secodont, Selenodont and Lophodont).	<b>RB</b>
			<b>Unit-IV</b> Evolution of molar tooth.	<b>RB</b>
		3	<b>Unit-IV</b> Origin of Amphibia.	<b>DL</b>
	4th week	1	<b>Unit-II</b> Ammocoete larva and its significance. REVISION	<b>CB</b>
		2	SEMINAR	<b>RB</b>
			SEMINAR	<b>RB</b>
		3	SEMINAR	<b>DL</b>

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Name of the		ZOOLOGY	2025 EVEN SEMESTER		
Department					
Semester		4	Paper : Immunology, Biostatistics and Bioinformatics		
Week/ Month and Date		Day	Portions Planned for 1 hour	Teacher	
FEB	2ND week	1	Defence against diseases: Introduction, First and second line of defence,	DL	
		2	Recombinant DNA Technology: Introduction, steps involved	RB	
		3	Antigens and haptens: Properties (foreignness, molecular size, heterogeneity).	CB	
		4			
	3rd week	1	Innate and acquired immunity; Antigen presenting cells (APC's)	DL	
		2	Restriction Enzymes and Ligases. Nucleic acid modifying enzymes.	RB	
		3	B and T cell epitopes	CB	
		4			
	march	1 <sup>st</sup> week	1	Role of B and T-lymphocytes (Humoral immunity and cell mediated immunity), f immunity.	DL
			2	Gene cloning Vector: Concept of plasmids-pBR322, Lambda phage vectors, Cosmids.	RB
			3	Structure of IgG and functions of different classes of immunoglobulins	CB
			4		
2nd week		1	Primary and secondary immune response. Types	DL	
		2	Gene transfer techniques (Direct and indirect).	RB	
		3	Structure of IgG and functions of different classes of immunoglobulins	CB	
		4			

Name of the Department		ZOOLOGY	Subject Title -- --	
Semester		2	Paper - 2	
Week/Month and Date	Day	Portions Planned for 1 hour		Teacher
<b>MARCH</b>	<b>3rd week</b>	<b>1</b>	Functional aspects of organs of the Immune system - Thymus and bonemarrow, spleen, Lymph Node, Small intestine and Liver (Peyer's patchesand Von Kupffer cells).	<b>DL</b>
		<b>2</b>	Screening and selection of recombinant colonies.	<b>RB</b>
		<b>3</b>	Major histocompatibility complex - Structure of MHC I & II	<b>CB</b>
		<b>4</b>		
	<b>4th week</b>	<b>1</b>	Functional aspects of organs of the Immune system - Thymus and bone marrow, spleen, Lymph Node, Small intestine and Liver (Peyer's patches and Von Kupffer cells).	<b>DL</b>
		<b>2</b>	Production of Human Recombinant insulin and Monoclonal antibodies(Hybridoma technology).	<b>RB</b>
		<b>3</b>	Major histocompatibility complex - Structure of MHC I	<b>CB</b>
		<b>4</b>		
<b>APRIL</b>	<b>1ST week</b>	<b>1</b>	Functional aspects of organs of the Immune system - Thymus and bone marrow, spleen, Lymph Node, Small intestine and Liver (Peyer's patches and Von Kupffer cells).	<b>DL</b>
		<b>2</b>	Production of Human Recombinant insulin and Monoclonal antibodies (Hybridoma technology).	<b>RB</b>
		<b>3</b>	Vaccines: Types and Uses - Immunization schedule for children.	<b>CB</b>
		<b>4</b>		

	<b>2ND week</b>	<b>1</b>	Functional aspects of organs of the Immune system - Thymus and bonemarrow, spleen, Lymph Node, Small intestine and Liver (Peyer's patches and Von Kupffer cells).	<b>DL</b>
		<b>2</b>	Production of Human Recombinant insulin and Monoclonal antibodies(Hybridoma technology).	<b>RB</b>
		<b>3</b>		

Name of the Department		ZOOLOGY			Subject Title -- --	
Semester		Paper -2				
Week/ Month and Date		Day	Portions Planned for 1 hour	Teacher		
<b>MAY</b>	<b>3RD week</b>	<b>1</b>	Transgenic animals (Transgenic cow, Transgenic Fish); Transgenic plants (Cry protein); Gene silencing (Knock out mouse).	<b>DL</b>		
		<b>2</b>	Production of Human Recombinant insulin and Monoclonal antibodies (Hybridoma technology).	<b>RB</b>		
		<b>3</b>	Measures of central tendency: Mean, Median, Mode.	<b>CB</b>		
		<b>4</b>				
	<b>4<sup>TH</sup> week</b>	<b>1</b>	Transgenic animals (Transgenic cow, Transgenic Fish); Transgenic plants (Cry protein); Gene silencing (Knock out mouse).	<b>DL</b>		
		<b>2</b>		<b>RB</b>		
		<b>3</b>	Data summarizing: Frequency distribution, Graphical presentation - bar diagram,	<b>CB</b>		
		<b>4</b>				

<b>MAY</b>	<b>1<sup>ST</sup> week</b>	<b>1</b>	Databases: Sequence and structural	<b>DL</b>
		<b>2</b>		<b>RB</b>
		<b>3</b>	Data summarizing: Frequency distribution, Graphical presentation - bar diagram,	<b>CB</b>
		<b>4</b>		
	<b>2<sup>ND</sup> week</b>	<b>1</b>	Databases: Sequence and structural	<b>DL</b>
		<b>2</b>	Revision	<b>RB</b>
		<b>3</b>	Data summarizing: Frequency distribution, Graphical presentation -pie diagram, histogram.	<b>CB</b>
		<b>4</b>		

<b>Name of the Department</b>	<b>ZOOLOGY</b>	<b>Subject Title --</b>		
<b>Semester</b>	<b>2</b>	<b>Paper - 2</b>		
<b>Week/Month and Date</b>	<b>Day</b>	<b>Portions Planned for 1 hour</b>	<b>Teacher</b>	
<b>MAY</b>	<b>1<sup>st</sup> week</b>	<b>1</b>	Sequence analysis (homology): Pairwise and Multiple Sequence alignment-BLAST, CLUSTALW, Sequence alignment-FASTA.	<b>DL</b>
		<b>2</b>	Brief account of Biosensors.	<b>RB</b>
		<b>3</b>	Elementary idea of probability and its applications, Measures of dispersion: Range, Standard Deviation, Variance.	<b>CB</b>
		<b>4</b>		
	<b>2<sup>nd</sup> week</b>	<b>1</b>	Sequence analysis (homology): Pairwise and Multiple Sequence alignment-BLAST, CLUSTALW, Sequence alignment-FASTA.	<b>DL</b>

		2	Applications of Gene Therapy in SCID	RB
		3	Correlation and Regression. Tests of significance: F-test, ANOVA, t-test and Chi square test	CB
		4		
	3rd week	1	Scope and applications of Bioinformatics.	DL
		2	Applications of Gene Therapy in SCID	RB
		3	Immunity against diseases of viral, bacterial and protozoan infections	CB
		4		
	4th week	1	Scope and applications of Bioinformatics	DL
		2	seminar	RB
		3	Transplantation immunology: Transplantation of organ- Types, graftrejection and Immuno-suppressors.	CB
		4		

Name of the	ZO OL OG Y	Subject Title --	Developmental biology and Organic evolution 2025
Department			
Semester	6	Paper - 7	

Week/Month and Date	Day	Portions Planned for 1 hour	Teacher	
FEB	2nd week	1	Unit -II- 2.1- Developmental Biology- Blastulation- Amphioxus	DL
		2	Unit-I-1.1-Developmental biology- Introduction, definition & scope	RB
		3	Unit -III-3.1- Neo- darwinism ; - Darwinism	CB
3rd week	1	Unit -II- 2.1- Developmental Biology- Blastulation- Frog and Chick	DL	
		2	Unit-I-1.1- Historical review theories	RB
		3	Unit -III-3.2- Role of evolutionary forces in speciation	CB
4th week	1	Unit -II- 2.2- Fate maps- methods and cell lineage	DL	
		2	Unit-I-1.2- Gametogenesis-Spermatogenesis- Structure of sperm	RB
		3	Unit -III-3.2- Genetic drift	CB
MAR	1st week	1	Unit -II- 2.2- Fate maps- presumptive organ forming areas	DL
		2	Unit-I-1.2- Gametogenesis-Oogenesis	RB
		3	Unit -III-3.2- Natural selection	CB

Name of the	ZO OL OG Y	Subject Title --	Developmental biology and Organic evolution
Department			
Semester	6	Paper - 7	
Week/Month and Date	Day	Portions Planned for 1 hour	Teacher
2nd week	1	Unit -II- 2.3 -a- Gastrulation in Amphioxus- Introduction	DL

AP RIL	k	2	Unit-I-1.2- Types of eggs	RB
		3	Unit -III-3.2-Isolation	CB
	3rd week	1	Unit -II- 2.3-a- Gastrulation - in Frog	DL
		2	Unit-I-1.2- Mosaic and regulative eggs	RB
		3	Unit -III-3.2- Speciation	CB
	4th week	1	Unit -II- 2.3-a- Gastrulation - in Chick	DL
		2	Unit-I-1.2- Types of egg membranes and significance	RB
		3	Unit -III-3.3- Evidences of Organic evolution	CB
	1st week	1	Unit -II- 2.3 -b- Neurulation- post- neurular development	DL
		2	Unit-I-1.2- Cleidoic egg and its significance	RB
		3	Unit -III-3.3- Palaeontological evidences	CB

Name of the	ZO OL OG Y	Subject Title --	Developmental biology and Organic evolution
Department			
Semester	6	Paper - 7	

Week/Month and Date	Day	Portions Planned for 1 hour	Teacher	
MAR H	2nd week	1	Unit -II- 2.3-b- Metamorphosis in Frog	DL
		2	Unit-I-1.3- Reproductive cycles	RB
		3	Unit -III-3.3- Palaeontological evidences	RS
3rd week	1	Unit -II- 2.4 - Role of organisers- Transplantation experiments	DL	
	2	Unit-I-1.4- Patterns of development with examples	RB	
	3	Unit -III-3.3- Morphological and anatomical evidences	CB	

APR IL				
	4th wee k	1	Unit -II- 2.4 - Role of organizers- Chemistry of organizer	DL
		2	Unit-I-1.6- Fertilization	RB
		3	Unit -III-3.3- Embryological evidences	CB
	1 <sup>ST</sup> WEK	1	Unit -II- 2.5 - Foetal membranes in chick	DL
		2	Unit-I-1.6- Mono and Polyspermic fertilization and significance	RB
		3	Unit -III-3.4- Evolution of Man	CB

Name of the	ZO OL OG Y	Subject Title --	Developmental biology and Organic evolution
Department			
Semester	6	Paper - 7	

Week/Month and Date	Day	Portions Planned for 1 hour	Teacher	
APR IL	2nd wee k	1	Unit -II- 2.5 - Foetal membranes in chick- functions	DL
		2	Unit-I-1.6- Types of blocks for polyspermy	RB
		3	Unit -III-3.4- Evolution of Man	CB
	3rd wee k	1	Seminar	DL
		2	Unit-I-7- Cleavage,	RB
		3	Unit -III-3.4- Evolution of Man	CB
	4th wee k	1	Seminar	DL
		2	Unit-I.7-- Cleavage,	CB
		3	Unit - II 2.5- Placenta types	RB
MA Y	1 <sup>ST</sup> WEE K	1	Revision	DL
		2	Revision	CB

		3	Unit - II 2.5- Placenta types	RB
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## DEPARTMENT OF ZOOLOGY

### EVEN SEMESTER : ACADEMIC PLANNER 2025

#### VI SEMESTER PAPER- 8 -- ENVIRONMENTAL BIOLOGY, WILDLIFE MANAGEMENT & CONSERVATION

Week/Month and Date		Day	Portions Planned for 1 hour	Teacher
FEB	1st week	1	<b>Unit-I</b> 1.1 Ecology: Introduction to ecology, Definition, ecosystem, trophic levels, food chain and foodweb.	<b>CB</b>
		2	<b>Unit-IV 1.1</b> : Values of wildlife	<b>RB</b>
		3	<b>Unit-III 3.1 Wildlife Conservation:</b> Causes and depletion of wildlife	<b>DL</b>
	2nd week	1	<b>Unit-I</b> 1.1 Ecology: Introduction to ecology, Definition, ecosystem, trophic levels, food chain and foodweb.	<b>CB</b>
		2	<b>Unit-IV 1.1</b> : Values of wildlife	<b>RB</b>
		3	<b>Unit-III 3.1 Wildlife Conservation:</b> Causes and depletion of wildlife	<b>DL</b>
	3rd week	1	<b>Unit-I</b> 1.1 Ecology: Introduction to ecology, Definition, ecosystem, trophic levels, food chain and foodweb.	<b>CB</b>
		2	<b>Unit-IV 1. 1.2</b> inventory and classification of wetlands and their biotic components	<b>RB</b>
		3	<b>Unit-III 3.1 Wildlife Conservation:</b> Causes and depletion of wildlife	<b>DL</b>
	4th week	1	<b>Unit-I 1.2</b> Aquatic environment (Pond and marine)	<b>CB</b>
		2	<b>Unit-IV 1. 1.2</b> inventory and classification of wetlands	<b>RB</b>

			and their biotic components	
		3	<b>Unit-III 3.2</b> Ex-situ and in-situ conservation, National parks, Wildlife sanctuaries, biosphere reserve.	<b>DL</b>

<b>Week/Month and Date</b>	<b>Day</b>	<b>Portions Planned for 1 hour</b>		<b>Teacher</b>
<b>march</b>	<b>1st week</b>	1	<b>Unit-I 1.3</b> Biomes – definition, Terrestrial (Tundra, alpine, forest, tropical savanna, grassland,desert, wetland)	<b>CB</b>
		2	<b>Unit-IV 1. 1.2</b> inventory and classification of wetlands and their biotic components	<b>RB</b>
		3	<b>Unit-III 3.2</b> Ex-situ and in-situ conservation, National parks, Wildlife sanctuaries, biosphere reserve.	<b>DL</b>
	<b>2nd week</b>	1	<b>Unit-I 1.3</b> Biomes – definition, Terrestrial (Tundra, alpine, forest, tropical savanna, grassland,desert, wetland)	<b>CB</b>
		2	<b>Unit-IV 1. 1.3</b> General strategies and issues	<b>RB</b>
		3	<b>Unit-III 3.2</b> Ex-situ and in-situ conservation, National parks, Wildlife sanctuaries, biosphere reserve.	<b>DL</b>
	<b>3rd week</b>	1	<b>Unit-I 1.3</b> Biomes – definition, Terrestrial (Tundra, alpine, forest, tropical savanna, grassland,desert, wetland)	<b>CB</b>
		2	<b>Unit-IV 1. 1.4</b> concept of home range, wildlife corridors and territory,	<b>RB</b>
		3	<b>Unit-III 3.2</b> Project tiger.Project Elephant, Project Lion	<b>DL</b>
	<b>4th week</b>	1	<b>Unit-I 1.4</b> Ecological factors (Biotic and Abiotic)	<b>CB</b>
		2	<b>Unit-IV 1. 1.5</b> animal census, tracing movement and remote sensing and GIS.	<b>RB</b>
		3	<b>Unit-III 3.2</b> Project tiger.Project Elephant, Project Lion	<b>DL</b>

<b>Week/Month and Date</b>	<b>Day</b>	<b>Portions Planned for 1 hour</b>		<b>Teacher</b>
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APRIL	1st week	1	<b>Unit-II Pollution: 2.1</b> Definition, types (air, soil, water and thermal), ozone layer depletion, bioaccumulation, Biomagnification and bioremediation.	<b>CB</b>
		2	<b>Unit-IV 1. 1.5</b> animal census, tracing movement and remote sensing and GIS.	<b>RB</b>
		3	<b>Unit-III 3.2</b> Breeding in captivity, Zoological gardens,	<b>DL</b>
	2nd week	1	<b>Unit-II Pollution: 2.1</b> Definition, types (air, soil, water and thermal), ozone layer depletion, bioaccumulation, Biomagnification and bioremediation.	<b>CB</b>
		2	<b>Unit-IV 1. 1.5</b> animal census, tracing movement and remote sensing and GIS.	<b>RB</b>
		3	<b>Unit-III 3.2</b> Breeding in captivity, Zoological gardens,	<b>DL</b>
	3rd week	1	<b>Unit-II Pollution: 2.1</b> Definition, types (air, soil, water and thermal), ozone layer depletion, bioaccumulation, Biomagnification and bioremediation.	<b>CB</b>
		2	SEMINAR	<b>RB</b>
		3	SEMINAR	<b>DL</b>
	4th week	1	<b>Unit-II Pollution: 2.1</b> Definition, types (air, soil, water and thermal), ozone layer depletion, bioaccumulation, Biomagnification and bioremediation.	<b>CB</b>
		2	SEMINAR	<b>RB</b>
		3	<b>Unit-III 3.2</b> Wildlife Protection Act 1972.	<b>DL</b>

Week/Month and Date	Day	Portions Planned for 1 hour	Teacher	
MAY	1st week	1	<b>Unit-II Pollution: 2.2</b> Effects of all pollution types on animals and plants	<b>CB</b>
		2	<b>Unit-IV 1. 1.5</b> animal census, tracing movement and remote sensing and GIS.	<b>RB</b>
		3	<b>Unit-III 3.2</b> Wildlife Protection Act 1972.	<b>DL</b>

<b>Week/Month and Date</b>	<b>Day</b>	<b>Portions Planned for 1 hour</b>	<b>Teacher</b>	
<b>APRIL</b>	<b>1st week</b>	<b>1</b>	<b>Unit-II Pollution: 2.2</b> Effects of all pollution types on animals and plants	<b>CB</b>
		<b>2</b>	<b>Unit-IV 1. 1.5</b> animal census, tracing movement and remote sensing and GIS.	<b>RB</b>
		<b>3</b>	<b>Unit-III 3.2</b> Wildlife Protection Act 1972.	<b>DL</b>
	<b>2nd week</b>	<b>1</b>	<b>Unit-II Pollution: 2.2</b> Effects of all pollution types on animals and plants	<b>CB</b>
		<b>2</b>	<b>Unit-IV 1. 1.5</b> animal census, tracing movement and remote sensing and GIS.	<b>RB</b>
		<b>3</b>	<b>Unit-III 3.2</b> Breeding in captivity, Zoological gardens,	<b>DL</b>
	<b>3rd week</b>	<b>1</b>	<b>Unit-II Pollution: 2.2</b> Effects of all pollution types on animals and plants	<b>CB</b>
		<b>2</b>	<b>Unit-IV 1. 1.5</b> animal census, tracing movement and remote sensing and GIS.	<b>RB</b>
		<b>3</b>	SEMINAR	<b>DL</b>
<b>4th week</b>	<b>1</b>	SEMINAR	<b>CB</b>	
	<b>2</b>	SEMINAR	<b>RB</b>	
	<b>3</b>	REVISION	<b>DL</b>	