

Km. Mayawati Govt. Girls P.G. College, Badalpur, G.B. Nagar

Dept of Zoology:

Assignments: M.Sc.-IInd Semester 2026-27

Instructions for assignments

- *Aprk of Each Assignment: 5 (Deduction of Aprks: 1 Aprk deducted for Late Submission and 1 for late personation.), Prsenation:5*
- Upload your assignments and project before due date on google classroom <https://classroom.google.com/c/NzAzMDc0MTIwNTY4?cjc=zq4idlx> **(Class code- zq4idlx)**
- *Presentation mode (online/offline) will be update before presentation date depending upon situations.*
- *Submit your project upto 30-04-2026 to Dr. Neetu Singh*
- *The teacher will revert your evaluated assignments and internals by email, you can check and raise your point of view (if any) within one week, after that Aprks will be uploaded.*
- Tentative date of internals: April IInd week
- *All student presentations were recorded online and uploaded on Zoology Department YouTube account. Make a video of your assignments and upload it on Zoology Department YouTube account with the help of Miss. Sumbul Zehra, Miss Jyoti Sharma and Miss Himanshi*

Class Roll Number	Name of Student	B050801T : Environmental Biology & Wildlife Biology			B050802T : Animal Diversity- Chordata			B050803T : Animal Physiology			B050804T : Animal Behavior		
		<i>Ms. Neetu Singh and Miss. Himanshi</i>			<i>Ms. Abhishek Jaiswal and Miss. Shelly Khari</i>			<i>Prof. Dinesh C. Sharma and Miss. Sumbul Zehra</i>			<i>Prof. Dinesh C. Sharma and Miss. Jyoti Sharma</i>		
		<i>Assignment & Presentation</i>			<i>Assignment & Presentation</i>			<i>Assignment & Presentation</i>			<i>Assignment & Presentation</i>		
		Topic of assignment	Submi sion Last date	Presentatio n Date	Topic of assignment	Submi sion Last date	Present ation Date	Topic of assignment	Submi sion Last date	Present ation Date	Topic of assignment	Submi sion Last date	Present ation Date
1	AMRIT KAUR	Introduction To Environment: Physical Environment	5 Apr 26	10 Apr 26	Evolutionary Significance of Protochordates in Chordate Phylogeny	8 Apr 26	17 Apr 26	The Gut Microbiome and Its Role in Digestion: Recent Research and Implications	22 Apr 26	26 Apr 26	Impact of Climate Change on Animal Behaviour: How changing temperatures affect migration, foraging, and mating behavior.	29 Apr 26	31 Apr 26
2	ANAMIKA	Biotic And Abiotic Interactions	5 Apr 26	10 Apr 26	Comparative Analysis of Larvacea, Thaliacea, and Cephalochordates	8 Apr 26	17 Apr 26	Impact of Ultra-Processed Foods on BMR and Metabolic Health	22 Apr 26	26 Apr 26	AI and Machine Learning in Animal Behaviour Studies: Recent advancements in tracking and analyzing animal behavior.	29 Apr 26	31 Apr 26
3	ANJALI KUAPRI	Habitat And Ecological Niche	5 Apr 26	10 Apr 26	Adaptive Features and Affinities of Cephalochordates	8 Apr 26	17 Apr 26	Long COVID and Its Effect on the Respiratory System: Mechanisms and Treatments	22 Apr 26	26 Apr 26	Behavioural Adaptations in Urban Wildlife: How animals modify their behavior to survive in cities.	29 Apr 26	31 Apr 26
4	DEEPIKA KUAPRI	Remote Sensing And Its Application	5 Apr 26	10 Apr 26	Theories on the Origin of Vertebrates: A Comparative Study	8 Apr 26	17 Apr 26	Microplastics in the Digestive System: Current Research on Absorption and Toxicity	22 Apr 26	26 Apr 26	The Effect of Habitat Destruction on Stereotyped Behaviours in Animals: Examining stress-induced changes in wild species.	29 Apr 26	31 Apr 26

5	DIVYA	Population Dynamic And Structure	5 Apr 26	10 Apr 26	Fossil Evidence Supporting the Evolution of Vertebrates	8 Apr 26	17 Apr 26	Comparative Analysis of Oxygen Transport Mechanisms in Terrestrial and Aquatic Animals	22 Apr 26	26 Apr 26	Conflict Behaviour in Captive Animals: A study on stress-induced aggression and stereotypic behaviors in zoos and laboratories.	29 Apr 26	31 Apr 26
6	HIMANSHI	Community Ecology And Biodiversity	5 Apr 26	10 Apr 26	Major Evolutionary Trends in Vertebrates: From Aquatic to Terrestrial Life	8 Apr 26	17 Apr 26	Artificial Hearts and Advanced Cardiac Assist Devices: A Boon for Heart Failure Patients	22 Apr 26	26 Apr 26	Neural Mechanisms of Learning and Memory in Animals: Insights from recent research on brain plasticity.	29 Apr 26	31 Apr 26
7	IRAM SAIJI	Ecosystem: Structure And Function	5 Apr 26	10 Apr 26	Comparative Account of the Integumentary System in Vertebrates	8 Apr 26	17 Apr 26	Blood Clotting Disorders Post-COVID Vaccination: Mechanisms and Treatment Approaches	22 Apr 26	26 Apr 26	Communication in Aprine Mammals: How whales and dolphins adapt to increasing underwater noise pollution.	29 Apr 26	31 Apr 26
8	KHUSHI	Energy Flow In Ecosystem	5 Apr 26	10 Apr 26	Evolution of Endoskeletal System: Adaptations in Different Classes of Vertebrates	8 Apr 26	17 Apr 26	The Role of Epigenetics in Blood Pressure Regulation and Cardiovascular Diseases	22 Apr 26	26 Apr 26	Role of Pheromones in Social Insects: Chemical communication in bees and ants and its importance in colony survival.	29 Apr 26	31 Apr 26
9	KHUSHI NAGAR	Ecological Energetics	5 Apr 26	10 Apr 26	Dermal and Epidermal Structures in Vertebrates: Functional and Evolutionary Perspectives	8 Apr 26	17 Apr 26	CRISPR and Gene Therapy in Treating Hemophilia and Other Blood Disorders	22 Apr 26	26 Apr 26	Impact of Artificial Light on Nocturnal Animal Communication: A study on fireflies and other bioluminescent species.	29 Apr 26	31 Apr 26
10	KOMAL	Major Indian Terrestrial Ecosystem	5 Apr 26	10 Apr 26	Evolutionary Significance of Ostracoderms and Coelacanthiformes	8 Apr 26	17 Apr 26	AI in ECG Interpretation: How Machine Learning is Revolutionizing Cardiovascular Diagnosis	22 Apr 26	26 Apr 26	Comparative Analysis of Problem-Solving Skills in Primates and Birds: Insights from recent studies on tool use.	29 Apr 26	31 Apr 26
11	KRITIKA	Major Indian Aquatic Ecosystem	5 Apr 26	10 Apr 26	Adaptive Radiation in Fishes: A Study of Morphological and Behavioral Adaptations	8 Apr 26	17 Apr 26	Impact of Chronic Kidney Disease on Cardiovascular and Nervous System: A Physiological Perspective	22 Apr 26	26 Apr 26	The Role of Hormones in Animal Parental Care: A case study on oxytocin and prolactin in mammals.	29 Apr 26	31 Apr 26
12	MANSI	Ecological Succession	5 Apr 26	10 Apr 26	Fish Locomotion: Mechanisms and Evolutionary Adaptations	8 Apr 26	17 Apr 26	Artificial Kidneys and Bioengineered Organs: The Future of Renal Replacement Therapy	22 Apr 26	26 Apr 26	Neuroendocrine Mechanisms of Aggression in Territorial Animals: How testosterone influences dominance behavior.	29 Apr 26	31 Apr 26
13	MANU	Changes During Ecological Succession	5 Apr 26	10 Apr 26	Parental Care in Amphibians: Strategies and Evolutionary Significance	8 Apr 26	17 Apr 26	Neurotoxicity of Air Pollution: A Growing Concern for Cognitive Decline	22 Apr 26	26 Apr 26	The Effect of Environmental Pollution on Pheromone Communication in Insects: Disruptions caused by pesticides and industrial waste.	29 Apr 26	31 Apr 26
14	NEERAJ	Concept Of Climax Community	5 Apr 26	10 Apr 26	Neoteny in Amphibians: Causes, Mechanisms, and Evolutionary Importance	8 Apr 26	17 Apr 26	Alzheimer's Disease and the Gut-Brain Axis: Recent Research Updates	22 Apr 26	26 Apr 26	Neurobiology of Fear Responses in Prey Animals: A review of how animals detect and escape predators.	29 Apr 26	31 Apr 26

15	NISHU	Biogeography And Major Biomes	5 Apr 26	10 Apr 26	Adaptations of Amphibians to Dual Life: Structural and Functional Aspects	8 Apr 26	17 Apr 26	The Use of Brain-Computer Interfaces (BCI) in Restoring Mobility in Paralysis Patients	22 Apr 26	26 Apr 26	Impact of Endocrine Disruptors on Animal Behaviour: Recent concerns about plastic pollution and hormonal imbalances in aquatic species.	29 Apr 26	31 Apr 26
16	PRAKARTI	Biogeographical Zones Of India	5 Apr 26	10 Apr 26	Adaptive Radiation in Reptiles: Evolution of Diverse Body Plans	8 Apr 26	17 Apr 26	Rising Cases of Polycystic Ovary Syndrome (PCOS): Causes, Diagnosis, and Treatment	22 Apr 26	26 Apr 26	Social Structures in Highly Intelligent Animals: Comparative analysis of dolphins, elephants, and primates.	29 Apr 26	31 Apr 26
17	RASHIKA BHATI	Biodiversity: Status Monitoring And Documentation	5 Apr 26	10 Apr 26	Comparative Anatomy of Skull in Reptiles: Evolutionary Trends and Functional Adaptations	8 Apr 26	17 Apr 26	Impact of Climate Change on Reproductive Health and Fertility Rates	22 Apr 26	26 Apr 26	Group Living and Disease Transmission in Animals: How social animals manage infections and pandemics.	29 Apr 26	31 Apr 26
18	SAKSHI GOYAL	Drivers Of Biodiversity Change And Management Approach	5 Apr 26	10 Apr 26	Chelonia (Turtles & Tortoises): Evolution, Adaptations, and Conservation Challenges	8 Apr 26	17 Apr 26	Advancements in Male Contraceptive Methods: A Breakthrough in Reproductive Physiology	22 Apr 26	26 Apr 26	Kin Selection and Altruism in Vampire Bats: Recent studies on food sharing and social bonding.	29 Apr 26	31 Apr 26
19	SALONI SAXENA	Environment Pollution	5 Apr 26	10 Apr 26	Flight Adaptation in Birds: Morphological, Anatomical, and Physiological Modifications	8 Apr 26	17 Apr 26	Endocrine Disruptors in Everyday Products: Their Role in Hormonal Imbalances and Diseases	22 Apr 26	26 Apr 26	Social Dominance and Leadership in Animal Groups: Lessons from wolf packs, elephant herds, and primate troops.	29 Apr 26	31 Apr 26
20	SHAKSHI SINGH	Indian Case Studies On Conservation(Project Tiger, Biosphere Reserve)	5 Apr 26	10 Apr 26	Bird Migration: Patterns, Mechanisms, and Evolutionary Significance	8 Apr 26	17 Apr 26	Heatwaves and Their Impact on Human Thermoregulation: Adaptation Strategies	22 Apr 26	26 Apr 26	Effects of Noise Pollution on Bird Song and Communication: How urban noise influences mating calls and territorial signals.	29 Apr 26	31 Apr 26
21	VANSHIKA	Global Environmental Changes And Sustainable Development	5 Apr 26	10 Apr 26	Territorial Behavior in Birds: Causes, Benefits, and Ecological Implications	8 Apr 26	17 Apr 26	mRNA Vaccine Technology and Its Future in Immunotherapy Beyond COVID-19	22 Apr 26	26 Apr 26	Impact of Climate Change on Bird Migration Patterns: Analyzing shifts in migratory routes and breeding seasons.	29 Apr 26	31 Apr 26

Prof. (Dr.) Anita Rani Rathore
Principal

Prof. (Dr.) Dinesh C. Sharma
HOD-Zoology