

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

Dept of Zoology: IIIrd Semester: Specializations-Cytology and cytogenetics

Assignments: M.Sc.-IIIrd July 2024- Dec-2024

Instructions for assignments

- Mark of Each Assignment: 5 (Deduction of Marks: 1 mark deducted for Late Submission and 1 for late personation.)
- Upload your assignments and project before due date on google classroom <https://classroom.google.com/c/NjU0OTE3Nzc1NTYx?cjc=wchg4cj> (Class code- wchg4cj) (Class code- wchg4cj)
- Presentation mode (online/offline) will be update before presentation date depending upon situations.
- Submit your project to Smt. 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 marks will be uploaded.
- Tentative date of internals: August 2024 and September 2024
- All student presentations were recorded online and uploaded it on your **YouTube account**. Uplod the link of all 4 assignments on the google class.
- All of you have to visit Conserved Natural habitat/ Zoo/Century and submit a report with your selfie and entry ticket.
- Students ensure your participation in Workshop/training/Course assigned by the department. Students can do any online course and submit its certificate on google class. You will allotted extra marks as per the duration of the course.
- Coordinate with Ms. Sumbul Zehra, Ms. Jyoti Sharma and Ms. Hinashi Pilwan for any support.

Class Roll No	COURSE IX: Chordata				Course X : Developmental Biology			Course XI : Environmental Biology			Course XII : Animal Behavior		
	Assignment & Presentation				Assignment & Presentation			Assignment & Presentation			Assignment & Presentation		
	Evaluator→	Mr. Abhishek Jaiswal			Prof. Dinesh C. Sharma			Smt. Neetu Singh			Mr. Abhishek Jaiswal		
Name of student	Topic	Submission Last date	Presentation last Date	Topic	Submission Last date	Presentation last Date	Topic	Submission Last date	Presentation last Date	Topic	Submission Last date	Presentation last Date	
1	Aarti	Affinities of Cephalochordate	29 Jul 24	02 Aug 24	Growth and invasiveness of placenta	12 Aug 24	17 Aug 24	Project Tiger	26 Aug 24	31 Aug 24	Advantages of groupings, development, social organization in primates	02 Sep 24	09 Sep 24
2	Bhumika Moral	Affinities of Larvacea	29 Jul 24	02 Aug 24	Etiology, growth and differentiation of tumour cells	12 Aug 24	17 Aug 24	Principles of conservation, major approaches to management	26 Aug 24	31 Aug 24	Social structures and social dominance	02 Sep 24	09 Sep 24
3	Chelsi Chaudhary	Affinities of Thaliacea	29 Jul 24	02 Aug 24	Cell growth and oncogenesis	12 Aug 24	17 Aug 24	Biosphere reserves	26 Aug 24	31 Aug 24	Advantages of groupings, development, social organization in insects	02 Sep 24	09 Sep 24
4	Deepanjali Raj	Flight Adaptation	29 Jul 24	02 Aug 24	Regenerative potentials in different animal groups	12 Aug 24	17 Aug 24	structure and function of some Indian ecosystems: terrestrial (forest, grassland)	26 Aug 24	31 Aug 24	the forms of signals, communication in animals as language	02 Sep 24	09 Sep 24
5	Geeta	General and Comparative Account of Integumentary System	29 Jul 24	02 Aug 24	mutants and transgenics in analysis of development	12 Aug 24	17 Aug 24	Major terrestrial biomes; theory of island biogeography	26 Aug 24	31 Aug 24	Introduction, definition, classification and role of hormones behavioural patterns	02 Sep 24	09 Sep 24
6	Isha Kaushik	General and Comparative Account of Urinogenital System	29 Jul 24	02 Aug 24	Process of Spermatogenesis and spermiogenesis	12 Aug 24	17 Aug 24	biogeographical zones of India	26 Aug 24	31 Aug 24	Pheromones and behaviour	02 Sep 24	09 Sep 24
7	Kalpna	General and Special Characters Of Mammals, Organization & Affinities of Prototheria.	29 Jul 24	02 Aug 24	Causes of abnormal development, therapeutic drugs as teratogens, drug testing, experimental teratology	12 Aug 24	17 Aug 24	Environmental pollution; global environmental change; biodiversity status, monitoring and documentation	26 Aug 24	31 Aug 24	Definition, forms, development and mechanism of learning	02 Sep 24	09 Sep 24

8	Km Shaheen	General Characters, Special Characters of Amphibia	29 Jul 24	02 Aug 24	Process of gastrulation	12 Aug 24	17 Aug 24	concept of metapopulation – demes and dispersal, interdemec extinctions, age structured populations	26 Aug 24	31 Aug 24	Biological rhythms- orientation and navigation	02 Sep 24	09 Sep 24
9	Mansi Kumari	General Characters, Special Characters of Birds	29 Jul 24	02 Aug 24	hormonal control of metamorphosis	12 Aug 24	17 Aug 24	Structure and function; energy flow and mineral cycling (CNP); primary production and decomposition	26 Aug 24	31 Aug 24	Environmental perceptions- Mechanical, electrical	02 Sep 24	09 Sep 24
10	Mansi Sharma	General Characters, Special Characters, General Organization and Affinities of Obstracoderm	29 Jul 24	02 Aug 24	Process of oogenesis	12 Aug 24	17 Aug 24	Characteristics of a population; population growth curves; population regulation	26 Aug 24	31 Aug 24	hormones in relation to different behavioural patterns	02 Sep 24	09 Sep 24
11	Neeshu Rani	General Characters, Special Characters, General Organization and Affinities of Coelacanthiformes	29 Jul 24	02 Aug 24	Process of fertilization	12 Aug 24	17 Aug 24	life history strategies (<i>r</i> and <i>K</i> selection)	26 Aug 24	31 Aug 24	Neural structures, general pattern of nervous system in animals	02 Sep 24	09 Sep 24
12	Neha Rani	General Characters, Special Characters, Types & Peculiarities of Dinosaurs	29 Jul 24	02 Aug 24	metamorphosis in insects and amphibians	12 Aug 24	17 Aug 24	levels of species diversity and its measurement; edges and ecotones	26 Aug 24	31 Aug 24	Circadian and circannual rhythms	02 Sep 24	09 Sep 24
13	Rita Nagar	General Organization & Affinities of Cephalochordate	29 Jul 24	02 Aug 24	genomic equivalence and the cytoplasmic determinants	12 Aug 24	17 Aug 24	Concept of habitat and niche; niche width and overlap	26 Aug 24	31 Aug 24	Endocrine secretions, neuroendocrine control mechanism in certain behavioural patterns	02 Sep 24	09 Sep 24
14	Riya Sharma	General Organization & Affinities of Larvacea	29 Jul 24	02 Aug 24	Parthenogenesis	12 Aug 24	17 Aug 24	biotic environment	26 Aug 24	31 Aug 24	Social behaviour advantages of groupings, development, social organization in insects	02 Sep 24	09 Sep 24
15	Sakshi Bhardwaj	General Organization & Affinities of Thaliacea	29 Jul 24	02 Aug 24	Basic concepts of development	12 Aug 24	17 Aug 24	biotic and abiotic interactions	26 Aug 24	31 Aug 24	Social structures, social dominance, domestication	02 Sep 24	09 Sep 24
16	Sakshi Sharma	Parental Care of Amphibia	29 Jul 24	02 Aug 24	biochemical and morphological metamorphic changes	12 Aug 24	17 Aug 24	Ecosystem: Structure and function	26 Aug 24	31 Aug 24	Environmental perceptions- chemical, olfactory, auditory and visual	02 Sep 24	09 Sep 24
17	Shivani Rana	Introduction, Origin and Evolution of Vertebrates	29 Jul 24	02 Aug 24	imprinting	12 Aug 24	17 Aug 24	fundamental and realized niche; resource partitioning; character displacement	26 Aug 24	31 Aug 24	Neuroendocrine control of behaviour	02 Sep 24	09 Sep 24
18	Smriti Gautam	Migration in Birds	29 Jul 24	02 Aug 24	mechanism of regeneration in amphibian and <i>planeria</i>	12 Aug 24	17 Aug 24	structure and function of some Indian ecosystems: aquatic (fresh water, marine, eustarine)	26 Aug 24	31 Aug 24	Study of communication, messages and their meanings	02 Sep 24	09 Sep 24
19	Tanu Nagar	Neoteny and Paedogenesis	29 Jul 24	02 Aug 24	mechanisms, accessory processes of gastrulation concrescence and convergence	12 Aug 24	17 Aug 24	Nature of communities; community structure and attributes	26 Aug 24	31 Aug 24	Biological clocks	02 Sep 24	09 Sep 24

Prof. (Dr.) Divya Nath
Principal

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