

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 2022- Dec-2022

Instructions for assignments

- Mark of Each Assignment: 5 (Deduction of Marks: 1 mark deducted for Late Submission and 1 for late personation.)
- All student presentation recorded online and uploaded on college YouTube account.
- Presentation mode (online/offline) will be update before presentation date depending upon COVID19 situations.
- Everyone email your assignments to concerned teacher email – Prof. (Dr.) Dinseh C. Sharma (zoologyhod.kmgpgc@gmail.com) Dr. Surender Kumar (zoologyhod2.kmgpgc@gmail.com) Smt. Neetu Singh (zoologyhod1.kmgpgc@gmail.com)
- Submit your project title upto 30 September 2022 to Dr. Prof D.C. Sharma, He will allotted Project supervisor
- Submit your recorded presentation To Dr. Azad Alam Siddique for upload on YouTube, Concerned teacher ensure this.
- 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: last week of September 2022 and October 2021
- Presentation time will be informed by evaluator and it can be online offline

Class Roll No		COURSE IX: Chordata			Course X : Developmental Biology			Course XI : Environmental Biology			Course XII : Animal Behavior		
		<i>Assignment & Presentation</i>			<i>Assignment & Presentation</i>			<i>Assignment & Presentation</i>			<i>Assignment & Presentation</i>		
	Evaluator→	<i>Dr. Surender Kumar</i>			<i>Dr. Dinesh C. Sharma</i>			<i>Dr. Surender Kumar</i>			<i>Smt. Neetu Singh</i>		
	NAME OF STUDENTS	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	ABHILASH A NAGAR	Origin & Evolution of Chordate	25 Sep 22	27 Sep 22	History background and theories of development	30 Sep 22	04 Oct 22	Physical environment	10 Oct 22	13 Oct 21	Social behaviour advantages of groupings, development, social organization in primates	20 Oct 22	25 Oct 22
2	ADITI SHARMA	General Organization & Affinities of Larvacea	25 Sep 22	27 Sep 22	Parthenogenesis	30 Sep 22	04 Oct 22	biotic environment	10 Oct 22	13 Oct 21	Social behaviour advantages of groupings, development, social organization in insects	20 Oct 22	25 Oct 22
3	AKANSHA NAGAR	General Organization & Affinities of Thaliacea	25 Sep 22	27 Sep 22	Basic concepts of development	30 Sep 22	04 Oct 22	biotic and abiotic interactions	10 Oct 22	13 Oct 21	Social structures, social dominance, domestication	20 Oct 22	25 Oct 22
4	AMAN BHATI	General Organization & Affinities of Cephalochordate	25 Sep 22	27 Sep 22	genomic equivalence and the cytoplasmic determinants	30 Sep 22	04 Oct 22	Concept of habitat and niche; niche width and overlap	10 Oct 22	13 Oct 21	Endocrine secretions, neuroendocrine control mechanism in certain behavioural patterns	20 Oct 22	25 Oct 22
5	ANJALI	Introduction, Origin and Evolution of Vertebrates	25 Sep 22	27 Sep 22	imprinting	30 Sep 22	04 Oct 22	fundamental and realized niche; resource partitioning; character displacement	10 Oct 22	13 Oct 21	Neuroendocrine control of behaviour	20 Oct 22	25 Oct 22
6	DEEKSHA SHARMA	General and Comparative Account of Integumentary System	25 Sep 22	27 Sep 22	mutants and transgenics in analysis of development	30 Sep 22	04 Oct 22	Major terrestrial biomes; theory of island biogeography	10 Oct 22	13 Oct 21	Introduction, definition, classification and role of hormones behavioural patterns	20 Oct 22	25 Oct 22
7	JYOTI TOMAR	General and Comparative Account of Urinogenital System	25 Sep 22	27 Sep 22	Process of Spermatogenesis and spermogenesis	30 Sep 22	04 Oct 22	biogeographical zones of India	10 Oct 22	13 Oct 21	Pheromones and behaviour	20 Oct 22	25 Oct 22

8	KM JYOTI	General Characters, Special Characters, General Organization and Affinities of Obstracoderm	25 Sep 22	27 Sep 22	Process of oogenesis	30 Sep 22	04 Oct 22	Characteristics of a population; population growth curves; population regulation	10 Oct 22	13 Oct 21	hormones in relation to different behavioural patterns	20 Oct 22	25 Oct 22
9	KM SONIYA	General Characters, Special Characters, General Organization and Affinities of Coelacanthiformes	25 Sep 22	27 Sep 22	Process of fertilization	30 Sep 22	04 Oct 22	life history strategies (<i>r</i> and <i>K</i> selection)	10 Oct 22	13 Oct 21	Neural structures, general pattern of nervous system in animals	20 Oct 22	25 Oct 22
10	NISHA	General Characters, Special Characters of Amphibia	25 Sep 22	27 Sep 22	Process of gastrulation	30 Sep 22	04 Oct 22	concept of metapopulation – demes and dispersal, interdemec extinctions, age structured populations	10 Oct 22	13 Oct 21	Biological rhythms- orientation and navigation	20 Oct 22	25 Oct 22
11	POONAM	Parental Care of Amphibia	25 Sep 22	28 Sep 22	invegination, involution, infiltration, delamination	30 Sep 22	05 Oct 22	Species interactions: Types of interactions, interspecific competition, herbivory, carnivory, pollination, symbiosis	10 Oct 22	14 Oct 21	Biological rhythms- migration	20 Oct 22	26 Oct 22
12	PRAGATI	Neoteny and Paedogenesis	25 Sep 22	28 Sep 22	mechanisms, accessory processes of gastrulation concrescence and convergence	30 Sep 22	05 Oct 22	Nature of communities; community structure and attributes	10 Oct 22	14 Oct 21	biological clocks	20 Oct 22	26 Oct 22
13	SAKSHI NAGAR	General Characters, Special Characters, Types & Peculiarities of Dinosaurs	25 Sep 22	28 Sep 22	metamorphosis in insects and amphibians	30 Sep 22	05 Oct 22	levels of species diversity and its measurement; edges and ecotones	10 Oct 22	14 Oct 21	Circadian and circannual rhythms	20 Oct 22	26 Oct 22
14	SHANAZ	General Organization of Chelonia	25 Sep 22	28 Sep 22	biochemical and morphological metamorphic changes	30 Sep 22	05 Oct 22	Ecosystem: Structure and function	10 Oct 22	14 Oct 21	Environmental perceptions- chemical, olfactory, auditory and visual	20 Oct 22	26 Oct 22
15	SHIKHA BAISLA	General Characters, Special Characters of Birds	25 Sep 22	28 Sep 22	hormonal control of metamorphosis	30 Sep 22	05 Oct 22	Structure and function; energy flow and mineral cycling (CNP); primary production and decomposition	10 Oct 22	14 Oct 21	Environmental perceptions- Mechanical, electrical	20 Oct 22	26 Oct 22
16	SHIVANI	Flight Adaptation	25 Sep 22	28 Sep 22	Regenerative potentials in different animal groups	30 Sep 22	05 Oct 22	structure and function of some Indian ecosystems: terrestrial (forest, grassland)	10 Oct 22	14 Oct 21	the forms of signals, communication in animals as language	20 Oct 22	26 Oct 22
17	SHRISHTI	Migration in Birds	25 Sep 22	28 Sep 22	mechanism of regeneration in amphibian and <i>planeria</i>	30 Sep 22	05 Oct 22	structure and function of some Indian ecosystems: aquatic (fresh water, marine, eustarine)	10 Oct 22	14 Oct 21	Study of communication, messages and their meanings	20 Oct 22	26 Oct 22
18	SHRISHTI VATS	Territorial Behaviour of Birds	25 Sep 22	28 Sep 22	Introduction, consequences of aging, causes of aging, control of aging through genes and aging of cells <i>in vitro</i> , Carrel's immortal cells.	30 Sep 22	05 Oct 22	Types; mechanisms; changes involved in succession; concept of climax	10 Oct 22	14 Oct 21	neural basis of learning, memory in animals	20 Oct 22	26 Oct 22
19	VINITA	General and Special Characters Of Mammals, Organization & Affinities of Prototheria.	25 Sep 22	28 Sep 22	Causes of abnormal development, therapeutic drugs as teratogens, drug testing, experimental teratology	30 Sep 22	05 Oct 22	Environmental pollution; global environmental change; biodiversity status, monitoring and documentation	10 Oct 22	14 Oct 21	Definition, forms, development and mechanism of learning	20 Oct 22	26 Oct 22

Prof. (Dr.) Divya Nath
Principal

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