

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

**Dept of Zoology: III<sup>rd</sup> Semester : Specializations-Cytology and cytogenetics**

**Assignments: M.Sc.-III<sup>rd</sup> July 2021- Dec-2021**

**Presentation Time: 2.30 PM**

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 - Dr Dinseh C. Sharma ([zoologyhod.kmgpgc@gmail.com](mailto:zoologyhod.kmgpgc@gmail.com)) Dr. Surender Kumar ([zoologyhod2.kmgpgc@gmail.com](mailto:zoologyhod2.kmgpgc@gmail.com)) Smt. Neetu Singh ([zoologyhod1.kmgpgc@gmail.com](mailto:zoologyhod1.kmgpgc@gmail.com))
- Submit your project title upto 16 August 2021 to Dr. Azmi Naqvi, Dr. Naqvi allotted Project supervisor with consultation of HOD and faculty upto 20 August 2021
- 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: Third week of August 2021 and September 2021

Class Roll No		<b>COURSE IX: Chordata</b>			<b>Course X : Developmental Biology</b>			<b>Course XI : Environmental Biology</b>			<b>Course XII : Animal Behavior</b>			Project Present ation last date	Project title (With Publication)
		<i>Assignment &amp; Presentation</i>			<i>Assignment &amp; Presentation</i>			<i>Assignment &amp; Presentation</i>			<i>Assignment &amp; Presentation</i>				
	Evaluator→	<i>Dr. Surender Kumar &amp; Dr. Azmi Naqvi</i>			<i>Dr. Dinesh C. Sharma &amp; Miss Sumbul Zehra</i>			<i>Dr. Surender Kumar &amp; Smt. Neetu Singh</i>			<i>Smt. Neetu Singh &amp; Miss Sumbul Zehra</i>			<i>Dr. Azad Alam Siddique &amp; Dr. Azmi Naqvi</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	Presentation last Date	Project
1	ARPANA RATHOUR	Origin & Evolution of Chordate	20 Aug 21	25 Aug 21	History background and theories of development	05 Sep 21	11 Sep 21	Physical environment	20 Sep 21	30 Sep 21	Social behaviour advantages of groupings, development, social organization in primates	06 Oct 21	15 Oct 21	30 Oct 21	Poly Cystic Ovarian Disease (PCOD) among NCR women
2	AYUSHI UPADHYAY	General Organization & Affinities of Larvacea	20 Aug 21	25 Aug 21	Parthenogenesis	05 Sep 21	11 Sep 21	biotic environment	20 Sep 21	30 Sep 21	Social behaviour advantages of groupings, development, social organization in insects	06 Oct 21	15 Oct 21	30 Oct 21	Chemical fertilizer Vs organic fertilizer
3	CHHAVI GULATI	General Organization & Affinities of Thaliacea	20 Aug 21	25 Aug 21	Basic concepts of development	05 Sep 21	11 Sep 21	biotic and abiotic interactions	20 Sep 21	30 Sep 21	Social structures, social dominance, domestication	06 Oct 21	15 Oct 21	30 Oct 21	Impact Assessment of family food handling behaviors and foodborne acute gastroenteritis

4	DOLLY KARDAM	General Organization & Affinities of Cephalochordate	20 Aug 21	25 Aug 21	genomic equivalence and the cytoplasmic determinants	05 Sep 21	11 Sep 21	Concept of habitat and niche; niche width and overlap	20 Sep 21	30 Sep 21	Endocrine secretions, neuroendocrine control mechanism in certain behavioural patterns	06 Oct 21	15 Oct 21	30 Oct 21	A survey on Rain water harvesting
5	JYOTI SHARMA	Introduction, Origin and Evolution of Vertebrates	20 Aug 21	25 Aug 21	imprinting	05 Sep 21	11 Sep 21	fundamental and realized niche; resource partitioning; character displacement	20 Sep 21	30 Sep 21	Neuroendocrine control of behaviour	06 Oct 21	15 Oct 21	30 Oct 21	Music medicine: A Neurobiological Based Survey
6	KM ANJU	General and Comparative Account of Integumentary System	20 Aug 21	25 Aug 21	mutants and transgenics in analysis of development	05 Sep 21	11 Sep 21	Major terrestrial biomes; theory of island biogeography	20 Sep 21	30 Sep 21	Introduction, definition, classification and role of hormones behavioural patterns	06 Oct 21	15 Oct 21	30 Oct 21	Cancer Cases in Badalpur and Adjacent areas
7	KM ARCHNA GAUD	General and Comparative Account of Urinogenital System	20 Aug 21	25 Aug 21	Process of Spermatogenesis and spermiogenesis	05 Sep 21	11 Sep 21	biogeographical zones of India	20 Sep 21	30 Sep 21	Pheromones and behaviour	06 Oct 21	15 Oct 21	30 Oct 21	Chemical fertilizer Vs organic fertilizer
8	KM JAYLALITA	General Characters, Special Characters, General Organization and Affinities of Obstracoderm	20 Aug 21	25 Aug 21	Process of oogenesis	05 Sep 21	11 Sep 21	Characteristics of a population; population growth curves; population regulation	20 Sep 21	30 Sep 21	hormones in relation to different behavioural patterns	06 Oct 21	15 Oct 21	30 Oct 21	Cancer Cases in Badalpur and Adjacent areas
9	KOMAL -PL	General Characters, Special Characters, General Organization and Affinities of Coelacanthiformes	20 Aug 21	25 Aug 21	Process of fertilization	05 Sep 21	11 Sep 21	life history strategies ( $r$ and $K$ selection)	20 Sep 21	30 Sep 21	Neural structures, general pattern of nervous system in animals	06 Oct 21	15 Oct 21	30 Oct 21	Are we ready for next Pandemic- Survey and Review
10	KOMAL -RC	General Characters, Special Characters of Amphibia	20 Aug 21	25 Aug 21	Process of gastrulation	05 Sep 21	11 Sep 21	concept of metapopulation – demes and dispersal, interdemec extinctions, age structured populations	20 Sep 21	30 Sep 21	Biological rhythms-orientation and navigation	06 Oct 21	15 Oct 21	30 Oct 21	Does Offline Education has an Edge over OnlineEducation- A Survey
11	MANTASHA SAIPI	Parental Care of Amphibia	20 Aug 21	25 Aug 21	inveigation, involution, infiltration, delamination	05 Sep 21	11 Sep 21	Species interactions: Types of interactions, interspecific competition, herbivory, carnivory, pollination, symbiosis	20 Sep 21	30 Sep 21	Biological rhythms-migration	06 Oct 21	15 Oct 21	30 Oct 21	Does Online Education has an Edge over Offline Education-A Survey
12	NISHA	Neoteny and Paedogenesis	26 Aug 21	30 Aug 21	mechanisms, accessory processes of gastrulation concrescence and convergence	10 Sep 21	15 Sep 21	Nature of communities; community structure and attributes	25 Sep 21	05 Oct 21	biological clocks	10 Oct 21	20 Oct 21	30 Oct 21	Effect of Meditation on mental and physical Health
13	PAKHI SAGAR	General Characters, Special Characters, Types & Peculiarities of Dinosaurs	26 Aug 21	30 Aug 21	metamorphosis in insects and amphibians	10 Sep 21	15 Sep 21	levels of species diversity and its measurement; edges and ecotones	25 Sep 21	05 Oct 21	Circadian and circannual rhythms	10 Oct 21	20 Oct 21	30 Oct 21	Impact Assessmentof Music on Healing Power

14	POOJA BHATI	General Organization of Chelonia	26 Aug 21	30 Aug 21	biochemical and morphological metamorphic changes	10 Sep 21	15 Sep 21	Ecosystem: Structure and function	25 Sep 21	05 Oct 21	Environmental perceptions-chemical, olfactory, auditory and visual	10 Oct 21	20 Oct 21	30 Oct 21	Integrative Medicine System Based on Music
15	PREETI	General Characters, Special Characters of Birds	26 Aug 21	30 Aug 21	hormonal control of metamorphosis	10 Sep 21	15 Sep 21	Structure and function; energy flow and mineral cycling (CNP); primary production and decomposition	25 Sep 21	05 Oct 21	Environmental perceptions-Mechanical, electrical	10 Oct 21	20 Oct 21	30 Oct 21	Exploring Livelihood generation in Rural areas using Science and Technology
16	PRIYA	Flight Adaptation	26 Aug 21	30 Aug 21	Regenerative potentials in different animal groups	10 Sep 21	15 Sep 21	structure and function of some Indian ecosystems: terrestrial (forest, grassland)	25 Sep 21	05 Oct 21	the forms of signals, communication in animals as language	10 Oct 21	20 Oct 21	30 Oct 21	Mensuration Cycle is Scientific Fact not a Social Taboo-A Survey
17	SANCHITA CHAUHAN	Migration in Birds	26 Aug 21	30 Aug 21	mechanism of regeneration in amphibian and <i>planeria</i>	10 Sep 21	15 Sep 21	structure and function of some Indian ecosystems: aquatic (fresh water, marine, eustarine)	25 Sep 21	05 Oct 21	Study of communication, messages and their meanings	10 Oct 21	20 Oct 21	30 Oct 21	Impact Assessment of overuse of Antibiotics
18	SANGAM NAGAR	Territorial Behavior of Birds	26 Aug 21	30 Aug 21	Introduction, consequences of aging, causes of aging, control of aging through genes and aging of cells <i>in vitro</i> , Carrel's immortal cells.	10 Sep 21	15 Sep 21	Types; mechanisms; changes involved in succession; concept of climax	25 Sep 21	05 Oct 21	neural basis of learning, memory in animals	10 Oct 21	20 Oct 21	30 Oct 21	Corona Vaccine Mandate Vs Religious Belief
19	SHIVANI CHAWLA	General and Special Characters Of Mammals, Organization & Affinities of Prototheria.	26 Aug 21	30 Aug 21	Causes of abnormal development, therapeutic drugs as teratogens, drug testing, experimental teratology	10 Sep 21	15 Sep 21	Environmental pollution; global environmental change; biodiversity status, monitoring and documentation	25 Sep 21	05 Oct 21	Definition, forms, development and mechanism of learning	10 Oct 21	20 Oct 21	30 Oct 21	Impact Assessment of family food handling behaviors and foodborne acute gastroenteritis
20	SOFAR	General Organization and Affinities of Marsupialia	26 Aug 21	30 Aug 21	Etiology, growth and differentiation of tumor cells, cell growth and oncogenesis	10 Sep 21	15 Sep 21	major drivers of biodiversity change; biodiversity management approaches	25 Sep 21	05 Oct 21	Individual behavioural patterns	10 Oct 21	20 Oct 21	30 Oct 21	Impact Assessment of excess use of over-the-counter cough medicine.
21	SONALI	Aquatic Mammals With Reference to Cetaceae	26 Aug 21	30 Aug 21	loss of homeostatic control, growth and invsiveness of placenta	10 Sep 21	15 Sep 21	Indian case studies on conservation/ management strategy (Project Tiger, Biosphere reserves).	25 Sep 21	05 Oct 21	Stereotyped behaviour	10 Oct 21	20 Oct 21	30 Oct 21	Impact of Covid 19 Pandemic on Higher Education System in NCR
22	SWEETI	General Characters, Special Characters of Birds	26 Aug 21	30 Aug 21	biochemical and morphological metamorphic changes	10 Sep 21	15 Sep 21	structure and function of some Indian ecosystems: terrestrial (forest, grassland)	25 Sep 21	05 Oct 21	Circadian and circannual rhythms	10 Oct 21	20 Oct 21	30 Oct 21	Impact Assessment of overuse of Antibiotics

**Dr. Dinesh C. Sharma**  
**HOD-Zoology**