



GOVERNMENT OF WEST BENGAL

OFFICE OF THE PRINCIPAL

Rani Indira Debi Government Girls' College

formerly Jhargram Raj College (Girls' Wing)

P.O.- Jhargram Dist.- Jhargram PIN- 712507

Website: www.jrcgw.ac.in Email: jrcgirlswing@gmail.com Tel: 03221299907

**Department of Zoology (General) Session
(2023-2024) Semester I, II (NEP)
(ODD&EVEN)**

*(NEP)CCFUP System Teaching Schedule (Odd/Even Semester Pattern)

- 1st INTERNAL (Written/Presentation/Viva/Practical/Assignments)
- 2nd INTERNAL (Written/Presentation/Viva/Practical/Assignments)

Lesson Plan for UG course

COURSE	COURSE TYPE	PAPER NO.	TITLE OF THE PAPER	ASSIGNED TOPIC /UNIT/MODULE
Name of the Teacher → SANATAN MURMU				
SEM-1	GEN	DSC-1AT(CC-1)	Animal diversity (Theory)	Unit-1-6
		DSC-1AP (CC-1)	Animal diversity (Practical)	Unit-1-5
SEM-II	GEN	DSC-1BT(CC-2)	Insect vector & disease (Theory)	Unit-1-8
		DSC-1BP(CC-2)	Insect vector & disease (Practical)	Unit-1-4

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PROGRAMME OUTCOME

A student having Zoology as a major subject will be able to understand the vastness of the diversity of animals. Although, it is not possible to know each and every species, they will understand the utility of classification through study of systematics. They will be able to understand the origin & evolution of life and can identify and classify different chordate and non-chordate animals. The different cell types of different animals with basic knowledge of physiology will enhance the understanding level of adaptation. They will be more concerned about the recent environmental problems, and can understand the importance of biotechnology as an applied field from the study of genetics and developmental biology. The scope of the subject through research and applied field will also open to them.

Course objective:

The course guides Bachelor's applicants through the incredible diversity of living forms, from simple to complex. It explains how each group of organisms originated and how they established themselves in the environment with their unique traits. In addition, it addresses the differences and similarities between organisms based on their morphology and anatomy, which led to their classification into taxa and clades.

COURSE OUTCOME

The course compares various non-chordate taxa in great detail. It also highlights how the complexity of structure and function increases along the taxonomic hierarchy. Thus, the course provides an overview of the complex life processes and adaptive radiations of nonchordates.

Learning outcomes:

After successfully completing this course, the students will be able to:

- ❖ Develop understanding on the diversity of life with regard to protists, non-chordates and chordates.
- ❖ Group animals on the basis of their morphological characteristics/ structures.?
- ❖ Develop critical understanding how animals changed from a primitive cell to a collection of simple cells to

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form a complex body plan.

- ❖ Examine the diversity and evolutionary history of a taxon through the construction of a basic phylogenetic/cladistics tree.
- ❖ Understand how morphological change due to change in environment helps drive evolution over a long period of time.

In addition to improving their writing skills, the project assignment will provide them with a taste of research so they can discover the process involved in studying biodiversity and taxonomy. Students will be able to think and interpret independently due to the selection of various animal species.

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