Lecture Plan

Name of the College: Government College of Arts, Science and Commerce. Sanquelim - Goa

Name of Faculty: Dr. Vaibhav Chindarkar	**Subject:** Zoology	
Paper code: ZOO 200 Biology of Non-chordates	**Program: S.Y. BSc**	**Division: A**
Academic year: 2024- 2025	**Semester: III**	**Total Lectures: 15**

Course Objectives:

1. Imparting understanding of the body organization and general characteristics of various invertebrate phyla.
2. Understand characteristics unique to non-chordate phyla.
3. Appreciate the diversity within the invertebrate phyla.
4. Examine evolutionary patterns and adaptations within non-chordate taxa.

Expected Course Outcome:

At the end of this course, students will be able to:

1. Explain the classification of Invertebrate phyla.
2. Discuss the body organization and general characters of different invertebrate phyla.
3. Summarize the life cycles and reproductive strategies of non-chordate organisms.
4. Contrast the Habit and habitat of various invertebrates

Student Learning Outcome: Students will gain knowledge about the various aspects of non-chordate animals.

Month	Lecture From	Lecture To	No. of lectures allotted	Topic, Subtopic to be covered	Exercise/ Assignment	ICT Tools	Reference books

June	28/06/2024	29/06/2024	-	Nil			
July	01/07/2024	06/07/2024	01	General characteristics of non-chordates.			
July	08/07/2024	13/07/2024	01	General characteristics of non-chordates….contd.			
July	15/07/2024	20/07/2024	01	General characteristics of non-chordates….contd.			
July	22/07/2024	27/07/2024	01	Body symmetry – asymmetry, radial, biradial and bilateral symmetry with suitable examples and significance.			
July/August	29/07/2024	03/08/2024	01	Body symmetry – asymmetry, radial, biradial and bilateral symmetry with suitable examples and significance….contd.			
August	05/08/2024	10/08/2024	01	Body organization – protoplasmic, cellular, tissue and organ level of organization with suitable examples and significance.			
July/August	12/08/2024	17/08/2024	01	Body organization – protoplasmic, cellular, tissue and organ level of organization with suitable examples and significance….contd…			
August	19/08/2024	24/08/2024	01	Diploblastic and triploblastic organisms. Coelom – acoelomate, pseudocoelomate and eucoelomate animals.			
August	26/08/2024	31/08/2024	01	Diploblastic and triploblastic organisms. Coelom – acoelomate, pseudocoelomate and eucoelomate animals…..contd..			
September	02/09/2024	05/09/2024	01	Metamerism- pseudometamerism (strobilization), eumetamerism.			
September	13//09/2024	14/09/2024	01	Metamerism- pseudometamerism (strobilization), eumetamerism….contd..			

September	16/09/2024	21/09/2024	01	Major and minor invertebrate phyla, protostomes and deuterostomes.			
September	23/09/2024	28/09/2024	01	Major and minor invertebrate phyla, protostomes and deuterostomes….contd			
September	30//09/2024	05/10/2024	01	Major and minor invertebrate phyla, protostomes and deuterostomes….contd			
October	7/10/2024	12/10/2024	01	Major and minor invertebrate phyla, protostomes and deuterostomes….contd			
October	14/10/2024	19/10/2024	01	Revision			
October	21/10/2024	22/10/2024	01	Revision			

*** Assessment Rubrics**

Component	**Max Marks**
ISA 1	7.5
ISA 2	7.5
Practical	25
Project	-nil-
Semester End Exam	60