Lecture Plan

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

Name of Faculty: Dr. Suphala Pujari	**Subject: Zoology**	
Paper code: ZOO 200	**Program: S.Y. BSc**	**Division: A**
Academic year: 2025- 2026	**Semester: III**	**Total Lectures: 30**

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. Understand the life cycles and reproductive strategies of non- chordate organisms.
4. Contrast the Habit and habitat of various invertebrates
5. Recognise the diversity among non-chordates

Month	Lecture From	Lecture To	No. of lectures allotted	Topic, Subtopic to be covered	Exercise/ Assignment	ICT Tools	Reference books
June	23/06/2025	28/06/2026	1	• Introduction to Non-Chordates		PPT	
June/July	30/06/2025	05/07/2025	2	• Introduction to Non-Chordates • Body Symmetry		PPT	
July	07/07/2025	12/07/2025	2	• Body Symmetry contd. • level of organization with suitable examples and significance.		PPT	
July	14/07/2025	19/07/2025	2	• Diploblastic and triploblastic organisms. • Coelom		PPT	

July	21/07/2025	26/07/2025	2	• Coelom contd. • Metamerism		PPT	
July/August	28/07/2025	02/08/2025	2	• Metamerism contd. • Protostomes vs Deuterostomes		PPT	
August	04/08/2025	09/08/2025	2	• Protostomes vs Deuterostomes contd. • Major Invertebrate Phyla		PPT	
July/August	11/08/2025	16/08/2025	2	• Major Invertebrate Phyla contd. • Minor Invertebrate Phyla		PPT	
August	18/08/2025	25/08/2025	2	• Revision/class test		PPT	
August	01/09/2025	06/09/2025	2	• Protozoa – General characteristics and classification upto classes • locomotion in Protozoa.		PPT	
September	08/09/2025	13/09/2025	2	• *Paramecium (*structural organization), • Porifera – General characteristics and classification upto classes		PPT	
September	15/09/2025	20/09/2025	2	• canal system in sponges. Cell types in Sponges • Cnidaria- General characteristics and classification upto classes		PPT	

September	22//09/2025	27/09/2025	2	• Polymorphism in Cnidaria. • Hydra (structural organization)		PPT	
September	29/09/2025	04/10/2025	2	• Ctenophora – General characteristics and evolutionary significance • Platyhelminthes- General characteristics and classification upto classes		PPT	
October	06/10/2025	11/10/2025	2	• Parasitic adaptations in Platyhelminthes • Planaria (structural organization)		PPT	
October	13/10/2025	18/10/2025	2	• Superphylum Aschelminthes – General Characteristics and classification • *Ascaris* (structural organization).		PPT	