

Semester Lecture Plan

Name of College: Government College of Arts, Science & Commerce, Sanquelim Goa

Name of Faculty: Ms. Shradda Borkar

Subject: Zoology

Paper code: ZOO-200

Program/Course: Biology of Non-Chordates

Division:

Academic year: 2026 - 2027

Semester: III

Total Lectures: 15

1. Course Objectives: 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.

Month	Lectures From: To:		No. of lectures allotted	Topic, Subtopic to be covered	Learning outcome	ICT Tools	Reference books
June	19/06/2026	26/06/2026	—				
July	27/06/2026	4/07/2026	—				

	6/07/2026	11/07/2026	—	General characteristics of Protozoa	List characteristics of protozoa	White board teaching	E.L. Jordan, and P.S. Verma, Invertebrates Zoology., S. Chand and company, New Delhi, 2001.
	13/07/2026	18/07/2026	01	Classification upto classes	Classify phylum Protozoa up to classes level	Power point presentation	E.L. Jordan, and P.S. Verma, Invertebrates Zoology., S. Chand and company, New Delhi, 2001.
	20/7/2026	25/7/2026	01	Locomotion in Protozoa	Explain types of locomotory organelles and modes of locomotion in protozoa	Power point presentation	E.L. Jordan, and P.S. Verma, Invertebrates Zoology., S. Chand and company, New Delhi, 2001.
August	27/07/2026	01/08/2026	01	Paramecium (structural organization)	Summarise structural organisation in paramecium	Power point presentation	E.L. Jordan, and P.S. Verma, Invertebrates Zoology., S. Chand and company, New Delhi, 2001.

	3/08/2026	8/08/2026	01	Porifera - General characteristics and classification upto classes	List characteristics of Porifera. Classify phylum Porifera up to class level	Power point presentation	E.L. Jordan, and P.S. Verma, Invertebrates Zoology., S. Chand and company, New Delhi, 2001.
	10/08/2026	15/08/2026	01	Canal system in sponges. Cell types in Sponges.	Explain Canal system in sponges. Differentiate cell types in sponges	Power point presentation	E.L. Jordan, and P.S. Verma, Invertebrates Zoology., S. Chand and company, New Delhi, 2001.
	17/08/2026	22/08/2026	01	Cnidaria- General characteristics and classification upto classes	List general characteristics of Characteristic Cnidaria. Classify phylum Cnidaria up to class level	Power point presentation	E.L. Jordan, and P.S. Verma, Invertebrates Zoology., S. Chand and company, New Delhi, 2001.
	24/08/2026	29/08/2026	01	polymorphism in Cnidaria. Hydra (structural organization)	Explain polymorphism in need area. summarise structural organisation in hydra.	Power point presentation	E.L. Jordan, and P.S. Verma, Invertebrates Zoology., S. Chand and company, New Delhi, 2001.
September	31/08/2026	5/09/2026	01	Ctenophora - General characteristics and evolutionary significance	List general characteristics of ctenophora.	Power point presentation	E.L. Jordan, and P.S. Verma, Invertebrates Zoology., S.

					Explain evolutionary significance		Chand and company, New Delhi, 2001.
	7/09/2026	12/09/2026	01	Platyhelminthes- General characteristics and classification upto classes	Least general characteristics of Platyhelminthes. Classify phylum Platyhelminthes up to class level	Power point presentation	E.L. Jordan, and P.S. Verma, Invertebrates Zoology., S. Chand and company, New Delhi, 2001.
	21/09/2026	26/9/2026	01	Parasitic adaptations in Platyhelminthes. Planaria (structural organization)	Describe parasitic adaptations in Platyhelminthes. Summarise structural organisation in Planaria	Power point presentation	E.L. Jordan, and P.S. Verma, Invertebrates Zoology., S. Chand and company, New Delhi, 2001.
October	28/9/2026	3/10/2026	01	Superphylum Aschelminthes- General characteristics and classification. Ascaris (structural organization).	List general characteristics of Aschelminthes Classify super phylum Aschelminthes	Power point presentation	E.L. Jordan, and P.S. Verma, Invertebrates Zoology., S. Chand and company, New Delhi, 2001.
	5/10/2026	10/10/2026	01	Ascaris (structural organization).	Summarise structural organisation in ascaris	Power point presentation	E.L. Jordan, and P.S. Verma, Invertebrates Zoology., S. Chand and

							company, New Delhi, 2001.
	12/10/2026	14/10/2026	—				