

Semester Lecture Plan

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

Name of Faculty: Miss. Ayesha Shetkar

Subject: Zoology

Paper code: ZOO 211 – Vector Borne Diseases

Program/Course: S.Y.B.Sc.

Division: A

Academic year: 2026 - 2027

Semester: III

Total Lectures: 30

Course Objectives:

1. Acquainting with common tropical vector-borne diseases and vector control strategies.
2. Understanding the host-pathogen interaction, transmission, symptoms of vector borne diseases.
3. Introduction of various Insect vectors to the Learners.
4. Develop competencies in responding to vector borne diseases.

Month	Lectures From: To:		No. of lect ures allot ted	Topic, Subtopic to be covered	Learning outcome	ICT Tools	Reference books
June	19/06/2026	20/06/2026	0	--	--	--	--

	22/06/2026	27/06/2026	2	Identification of the following specimens: Mosquito, Housefly, Rat Flea, Head Louse, Bed bug, Tick and House Rat.	Identify specimens.	Actual practical to be performed	
July	29/06/2026	4/07/2026	2	Study of Life cycle of some Vectors representing Order: Diptera, Siphonoptera,	Understand life cycle.	Power point presentation Actual practical to be performed	
	6/07/2026	11/07/2026	2	Study of Life cycle of some Vectors representing Order: Siphunculata and Hemiptera.	Understand life cycle.	Power point presentation/Videos/Pictures/ Actual practical to be performed	
	13/07/2026	18/07/2026	2	Study of mouth parts of vectors representing Orders: Diptera, Siphonoptera,	Explain mouth parts of vectors.	Power point presentation /Videos	
	20/7/2026	25/7/2026	2	Study of mouth parts of vectors representing Orders:	Explain mouth parts of vectors.	Power point presentation	

				Siphunculata and Hemiptera.			
August	27/07/2026	01/08/2026	2	Understanding incidence of prominent Vector borne diseases in India from secondary data of VCRC-ICMR /WHO resources.	Understand incidences of vector borne diseases.	Power point presentation/Video	
	3/08/2026	8/08/2026	2	Understanding incidence of prominent Vector borne diseases in India from secondary data of VCRC-ICMR /WHO resources.	Understand incidences of vector borne diseases.	Power point presentation	
	10/08/2026	15/08/2026	2	Design a Vector control program for the following vector borne diseases (any two): a. Malaria b. Schistosomiasis	Explain vector control program.	Actual practical to be performed / Power point presentation	

	17/08/2026	22/08/2026	2	Design a Vector control program for the following vector borne diseases (any two): c. Lyme's Disease d. Plague	Explain vector control program.	Power point presentation/Audio	
	24/08/2026	29/08/2026	2	Identify signs, indicating the species and extent of a rodent infestation. Plan a community rodent control program.	Identify & control rodent population.	Power point presentation	
September	31/08/2026	5/09/2026	2	Rearing of any suitable mosquito species of Goa, from egg to adult in laboratory.	Observe & explain various stages of mosquito rearing.	Actual practical to be performed / Power point presentation	
	7/09/2026	12/09/2026	2	Rearing of any suitable mosquito species of Goa, from egg to adult in laboratory.	Observe & explain various stages of mosquito rearing.	Actual practical to be performed / Power point presentation	
	21/09/2026	26/9/2026	2	Study of different larvivorous fish found in Goa.	Identify larvivorous fishes.	Actual practical to be performed / Power point presentation/Group discussion	
October	28/9/2026	3/10/2026	2	Study of different larvivorous fish found in Goa.	Identify larvivorous fishes.	Actual practical to be performed / Power point presentation	

	5/10/2026	10/10/2026	2	Revision on practical.		Power point presentation/Videos	
	12/10/2026	14/10/2026	2	Revision on practical.		Actual practical to be performed/ Power point presentation/Videos	