

Practical Plan		
Name of the College: Government College of Arts, Science and Commerce, Sanquelim-Goa		
Name of Faculty: Dr Suman Tari	Subject: Zoology	
Paper code: ZOO-211 Vector Borne Diseases	Program: SY BSc	Division: Batch: I
Academic year: 2026-27	Semester: III	Total Practicals/Labs: 10
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 t		
Expected Course Outcome: At the end of the course, the student will be able to: 1. List the various major vector-borne diseases. 2. Describe the symptoms of the major vector-borne diseases and control measures of the vectors.		

3. Choose effective responses against vector borne diseases.

4. Assess the severity of vector borne disease outbreaks.

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No. of Practical s/Labs planned	List of Experiments	Reference books Laboratory manual	Date planned
1	Identification of the following specimens: Mosquito, Housefly, rat Flea, Head Louse, Bed bug, Tick and House Rat.		24/6/2026
2	Identification of the following specimens: Mosquito, Housefly, rat Flea, Head Louse, Bed bug, Tick and House Rat.		1/7/2026
1	Study of Life cycle of some Vectors representing Order: Diptera, Siphonoptera, Siphunculata and Hemiptera		8/7/2026
2	Study of Life cycle of some Vectors representing Order: Diptera, Siphonoptera, Siphunculata and Hemiptera		15/7/2026
1	Study of mouth parts of vectors representing Orders: Diptera, Siphonoptera, Siphunculata and Hemiptera.		22/7/2026
2	Study of mouth parts of vectors representing Orders: Diptera, Siphonoptera, Siphunculata and Hemiptera.		29/7/2026
1	Understanding incidence of prominent Vector borne diseases in India from secondary data of VCRC-ICMR /WHO resources		5/8/2026
2	Understanding incidence of prominent Vector borne diseases in India from secondary data of VCRC-ICMR /WHO resources		5/8/2026
1	Design a Vector control program for the following vector borne diseases (any two): a. Malaria b. Schistosomiasis c. Lyme’s Disease d. Plague		12/8/2026

2	Design a Vector control program for the following vector borne diseases (any two): a. Malaria b. Schistosomiasis c. Lyme's Disease d. Plague		19/8/2026
1	Identify signs, indicating the species and extent of a rodent infestation. Plan a community rodent control program.		26/8/2026
1	Rearing of any suitable mosquito species of Goa, from egg to adult in laboratory.		2/9/2026
2	Rearing of any suitable mosquito species of Goa, from egg to adult in laboratory.		9/9/2026
3	Rearing of any suitable mosquito species of Goa, from egg to adult in laboratory.		16/9/2026
1	Study of different larvivorous fish found in Goa.		23/9/2026
1	Journal certification		30/9/2026
1	Exam		7/10/2026

Dr Suman Tari

Teacher-in-charge