

Semester Practical Plan

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

Name of the Faculty: Mr. Mouvin Francisco Fernandes

Subject: Zoology

Paper Code: ZOO 211

Programme: B.Sc.

Course: Vector-borne Diseases

Academic Year: 2025-2026

Semester: 3

Total Lectures:

B I: 15

- 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.

Course Learning Outcomes: 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.

Batch I

Sr. No.	Date	Experiment Name
1	2 July	Identification of specimens: Mosquito, Housefly, Rat Flea, Head Louse, Bed bug, Tick, House Rat
2	9 July	Identification of specimens: Mosquito, Housefly, Rat Flea, Head Louse, Bed bug, Tick, House Rat

3	16 July	Study of Life cycle of vectors (Diptera, Siphonoptera, Siphunculata, Hemiptera)
4	23 July	Study of Life cycle of vectors (Diptera, Siphonoptera, Siphunculata, Hemiptera)
5	30 July	Study of mouth parts of vectors (Diptera, Siphonoptera, Siphunculata, Hemiptera)
6	3 Aug	Study of mouth parts of vectors (Diptera, Siphonoptera, Siphunculata, Hemiptera)
7	13 Aug	Incidence of prominent vector-borne diseases in India using VCRC-ICMR/WHO data
8	20 Aug	Incidence of prominent vector-borne diseases in India using VCRC-ICMR/WHO data
9	3 Sep	Design a vector control program for two vector-borne diseases (Malaria, Schistosomiasis, Lyme's Disease, Plague)
10	10 Sep	Design a vector control program for two vector-borne diseases (Malaria, Schistosomiasis, Lyme's Disease, Plague)
11	17 Sep	Identification of signs of rodent infestation and planning community control program
12	24 Sep	Rearing of a suitable mosquito species from egg to adult in laboratory
13	1 Oct	Rearing of a suitable mosquito species from egg to adult in laboratory
14	8 Oct	Study of larvivorous fish found in Goa
15	15 Oct	Practical exam