

Practical Plan

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

Name of Faculty: Ms.Aishwarya Nene,
Mr. Mouvin Fernandes

Subject: Zoology

Paper code: ZOO- 100 (Amazing World of Animals)

Program: F.Y.B.Sc

Division/Batch: 2

Academic year: 2024-25

Semester: III

Total Practicals/Labs: 30

Credits: 01

Course Objectives: 1. To outline the origin, diversity and distribution of animals
2. To explain the resilience of animal life

Expected Course Outcome:At the end of the course, students will be able to:

1. Explain the origin, diversity and distribution of animals.
2. Summarize the role of animals in the dynamics of earth.
3. Discover the fascinating world of animals.
4. Relate to the factors important for sustenance of animals.

Student Learning Outcome: The students will be able to learn and understand the concepts of animal origin, diversity and distribution along with the roles of different animals found on Earth.

Month	Practicals/Labs Scheduled Date	No. of Practical/Labs planned	List of Experiments	Reference books
July 2024	5 July 2024	2	Study of Desert, Savanna grassland animals (Mr. Mouvin Fernandes)	Lab manual

	12 July 2024	2	Study of Forest, Cave and Oceanic animals (Mr. Mouvin Fernandes)	Lab manual
	19 July 2024	2	Study of campus fauna: Butterflies(at least 4), Birds(at least 4), Amphibia(at least 2), Reptiles(At least 2). (Mr. Mouvin Fernandes)	Lab manual
	26 July 2024	2	Study of campus fauna: Butterflies(at least 4), Birds(at least 4), Amphibia(at least 2), Reptiles(At least 2). (Mr. Mouvin Fernandes)	Lab manual
August 2024	2 August 2024	2	Study of bioluminescent animals (any 2 examples).	Lab manual
	9 August 2024	2	Study of pearl formation through examination of Molluscan shellfish like Window pane Oyster/Rock Oyster.	Lab manual
	16 August 2024	2	Study of 'Batesian and Mullerian' Mimicry in butterflies.	Lab manual
	23 August 2024	2	Camouflage as a protective mechanism in animals with reference to larvae of Common Mormon and Common Baron Butterfly.	Lab manual
	30 August 2024	2	Study of parental behaviour in animals (Arthropod (Potter Wasp, Scorpion), Fishes (Sea horse, cat fish), Amphibia (Midwife toad and Ichthyophis), Birds (Baya Weaver Bird, Common Crow).	Lab manual
September 2024	13 September	2	Mounting of Protozoans from Pond Water sample and identification of any two specimens.	Lab manual
	20 September 2024	2	Listing of Official State fauna of Goa and assessing their conservation threats.	Lab manual
	27 September 2024	2	Visit to a Zoo or an Aquarium to appreciate ex situ conservation approach.	-----
October 24	4 October 2024	2	Demonstration of regeneration of fin in fish (suitable specimen may be taken).	Lab manual
	11 October 2024	2	Revision, certification of journals	Lab manual
	18 October 2024	2	Certification of journals	

