

Practical Plan				
Name of the college: Govt. College of Arts, Science and Commerce, Sanquelim - Goa				
Name of Faculty: Dr. Suphala Pujari		Subject: Zoology		
Paper code:ZOC105		Program: TY BSc		Division: A
Academic year: 2024- 2025		Semester: V		Total Practicals/Labs: 12
Credits:	02			
Course Objectives: To learn the mechanism of integrative physiology.				
Expected Course Outcome: Sound practical knowledge of endocrine system				
Student Learning Outcome: On completion of the course, the students will know the internal methods on integrating the functions of different internal systems to maintain homeostasis through hormonal regulation.				
Month	Practicals/Labs Scheduled Date	No. of Practical/Labs planned	List of Experiments	Reference books
July	03/07/2024	1	Study of histological structure of following endocrine glands a) Pituitary b) Thyroid	<ul style="list-style-type: none"> Laboratory Manual Ross M. H. and W. Pawlina (2010) Histology- a text & Atlas with correlated cell and Molecular Biology, Walter Kluver health- Lippineotl Williams & Wilkins Baltimore.
	10/07/2024	1	Study of histological structure of following endocrine glands c) Parathyroid, d) Adrenal	
	17/07/2024	1	Study of histological structure of following endocrine glands: e) Islets of Langerhans	

July	24/07/2024	1	Study of histological structure of following endocrine glands f) Testis g) Ovary	<ul style="list-style-type: none"> Bloom and Fawcet (1982). A Textbook of Histology, W. B. Saunders publications
July	31/07/2024	1	Display of endocrine glands in Laboratory bred rat (Demonstration).	
August	07/08/2024	1	Surgical techniques of Adrenalectomy and Ovariectomy in Laboratory bred rat(Demonstration).	
	14/08/2024	1	Pregnancy test using human urine sample.	
	21/08/2024	1	Study of hypothalamo-hypophysial portal system & neuro secretory tracts through permanent slide / photomicrograph.	
	28/08/2024	1	Histological technique using Testis of goat -1	
September	04/09/2024	1	Histological technique using Testis of goat -2	
	18/09/2024	1	Histological technique using Testis of goat-3	
	25/09/2024	1	Histological technique using Testis of goat-4	
October	09/10/2024	1	Revision/ Certification of Journals	
	16/10/2024	1	Revision/ Certification of Journals	