

		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: ZOO 302		Program: TY BSc		Division: A	
Academic year: 2026- 2027		Semester: V		Total Practicals/Labs: 12	
Credits:	02				
Course Objectives: 1. Acquaint the learners with mechanisms of physiological homeostasis. 2. Provide the learners with understanding of the neuroendocrine- target organ communication. 3. Understand the importance of hormones. 4. Outline the disorders of endocrine glands.					
Expected Course Outcome: Sound practical knowledge of endocrine system					
Student Learning Outcome: At the end of this course, students will be able to: 1. Appreciate the role of endocrine system in homeostasis. 2. Explain the location and role of major endocrine glands. 3. Analyse the various endocrine disorders. 4. Demonstrate the techniques involved in histology.					
Month	Practicals/Labs scheduled Date	No. of Practical/ Labs planned	List of Experiments	Reference books	
July	24/06/2026	1	Observing histology of Pituitary Gland, Thyroid Gland	Laboratory Manual	
	01/07/2026	1	Observing histology of Parathyroid Gland, Adrenal Gland		
	08/07/2026	1	Observing histology of Testes, Ovaries		

July	15/07/2026	1	Study of location of endocrine gland in a mammalian model	- Ross M. H. and W. Pawlina (2010) Histology- a text & Atlas with correlated cell and Molecular Biology, Walter Kluver health- Lippincott Williams & Wilkins Baltimore. - Bloom and Fawcett (1982). A Textbook of Histology, W. B. Saunders publications
	22/07/2026	1	Checking FSL, PPSL, and RSL using a Glucometer	
	29/07/2026	1	Conducting a Pregnancy Test on a Urine sample	
August	05/08/2026	1	Preparation of permanent slides of endocrine glands (Adrenal and Testes) using Microtomy and staining techniques.	
	12/08/2026	1	Preparation of permanent slides of endocrine glands (Adrenal and Testes) using Microtomy and staining techniques.	
	19/08/2026	1	Preparation of permanent slides of endocrine glands (Adrenal and Testes) using Microtomy and staining techniques.	
	26/08/2026	1	Preparation of permanent slides of endocrine glands (Adrenal and Testes) using Microtomy and staining techniques.	
September	2/09/2026	1	To understand protocols and procedures for surgical ablation of Endocrine glands (adrenalectomy) through videos	
	9/09/2026	1	In situ study of fish pituitary in any commercial species.	
	16/09/2026	1	Completion of Journal	
	23/09/2026	1	Completion of Journal	
	30/09/2026	1	Revision	
October	07/10/2026	1	Journal completion	
	14/10/2026	1	/ Certification of Journals	