

Lecture Plan							
Name of the College: Government College of Arts, Science and Commerce. Sanquelim - Goa							
Name of Faculty: Ms Aishwarya Nene, Mr. Mouvin Fernandes, Dr. Suphala Pujari				Subject: Zoology			
Paper code: ZOO- 111(Understanding Applications of Zoology)			Program: F.Y.B.Sc		Division: A		
Academic year: 2024-25			Semester: I		Total Lectures: 45		
Course Objectives: 1. To outline the history, scope and applications of Zoology in human health, trade, commerce and industry. 2. To explain the importance of animal conservation.							
Course Outcome: At the end of the course, students will be able to: 1. Recall the history and scope of Zoology. 2. Appraise the role of Zoology in public health. 3. Discuss applications of Zoology in trade, commerce and industry. 4. Describe the importance of conservation of animals.							
Student Learning Outcome: After completion of this course: 1. The students will learn the importance and role of Zoology in Public health 2.The applications of Zoology and significance of animal conservation							
Month	Lecture From	Lecture To	No. of lectures allotted	Topic, Subtopic to be covered	Exercise/ Assignment	ICT Tools	Reference books
July	1/07/24	6/07/24	2	Bionomic zoology: Apiculture (Dr. Suphala Pujari)	-	Chalk and board and powerpoint	P. Joshi, and P. Joshi, Textbook of Conservation Biology. India:

	8/07/24	13/07/24	2	Significance of conservation biology (Mr. Mouvin Fernandes)			Evincepub Publishing, 2020.
	15/07/24	20/07/24	2	Lac culture (Dr. Suphala Pujari In-situ and ex-situ conservation strategies (Mr. Mouvin Fernandes)		Chalk and board and powerpoint	P. Joshi, and P. Joshi, Textbook of Conservation Biology. India: Evincepub Publishing, 2020.
	22/07/24	27/07/24	1	Sericulture (Dr. Suphala Pujari Wildlife forensics (DNA fingerprinting) (Mr. Mouvin Fernandes)		Chalk and board and powerpoint	P. Joshi, and P. Joshi, Textbook of Conservation Biology. India: Evincepub Publishing, 2020.
				Centrally Sponsored Schemes for Wildlife Conservation -Project Tiger	-	Chalk and board and Powerpoint presentation	P. Joshi, and P. Joshi, Textbook of Conservation Biology. India: Evincepub Publishing, 2020.
August	29/07/24	3/08/24	2	Centrally Sponsored Schemes for Wildlife Conservation -Project Elephant, Crocodile breeding project		Chalk and board Powerpoint presentation	P. Joshi, and P. Joshi, Textbook of Conservation Biology. India: Evincepub Publishing, 2020.
	5/08/24	10/08/24	3	Centrally Sponsored Schemes for Wildlife Conservation -Gir Lion Project, Global Conservation efforts, Conservation genetics		Chalk and board Powerpoint presentation	P. Joshi, and P. Joshi, Textbook of Conservation Biology. India: Evincepub Publishing, 2020.
	12/08/24	17/08/24	3	Wildlife forensics,		Chalk and board	R. R. Prabhu Jayasurya, Economic

				Mariculture (Mussel culture, Oyster culture).		Powerpoint presentation	Zoology. India: Saras Publications, 2013.
	19/08/24	24/08/24	3	Mariculture (Mussel culture, Oyster culture).		Chalk and board Powerpoint presentation	R. R. Prabhu Jayasurya, Economic Zoology. India: Saras Publications, 2013.
	26/08/24	31/08/24	3	Introduction to Genetically Modified Organisms, Bioprospecting, Introduction to animal inspired designs		Chalk and board Powerpoint presentation	R. R. Prabhu Jayasurya, Economic Zoology. India: Saras Publications, 2013.
September	2/09/24	7/09/24	2	Introduction to animal inspired designs		Chalk and board Powerpoint presentation	R. R. Prabhu Jayasurya, Economic Zoology. India: Saras Publications, 2013.
	16/09/24	21/09/24	3	Protozoans and Helminthes of public health importance; Protozoan causing intestinal amoebiasis and malaria.		Chalk and board Powerpoint presentation	K.D. Chatterjee, Parasitology: Protozoology and Helminthology, 13th ed. India: CBS Publishers & Distributors, 2019.
	23/09/24	28/09/24	3	Helminths infestations- Tapeworm and Round worm. Mode of transmission, symptoms and prevention of Tuberculosis, Cholera, Tetanus, Rabies.		Chalk and board Powerpoint presentation	K.D. Chatterjee, Parasitology: Protozoology and Helminthology, 13th ed. India: CBS Publishers & Distributors, 2019.

October	30/09/24	5/10/24	3	Mode of transmission, symptoms and prevention of Tuberculosis, Cholera, Tetanus, Rabies.	Chalk and board Powerpoint presentation	K.D. Chatterjee, Parasitology: Protozoology and Helminthology, 13th ed. India: CBS Publishers & Distributors, 2019.
	7/10/24	12/10/24	3	Medical importance and control of disease-causing vectors: Anopheles sp., Culex sp., Aedes sp.	Chalk and board Powerpoint presentation	K.D. Chatterjee, Parasitology: Protozoology and Helminthology, 13th ed. India: CBS Publishers & Distributors, 2019.
	14/10/24	19/10/24	3	Revision	-	-
	21/10/24	26/10/24	1	Revision	-	-

Assessment Rubrics	Component	Max Marks
	ISA 1	10
	ISA 2	10
	Practical	-
	Project	-
	Semester End Exam	80

