

## SEMESTER LECTURE PLAN

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

**Name of Faculty:** Ms. Mithali Halarnkar

**Subject:** Zoology

**Paper code:** ZOO-111 Understanding applications of Zoology

**Program:** F.Y. BSc

**Division:** A

**Academic year:** 2024 - 25

**Semester:** I

**Total Lectures:** 15

### 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.

### Expected 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:** The students will gain knowledge about the scope of Zoology. They will get to learn about the role of zoology in public health, trade and industry.

Month	Lecture From	Lecture To	No. of lectures allotted	Topic, Subtopic to be covered	Exercise/Assignment	ICT Tools	Reference books
June	26/06/2024	30/06/2024	1	Topic 1 : Introduction		Blackboard,	<ul style="list-style-type: none"> <li>K. K. Chaki, G. Kundu, and S. Sarkar, Introduction to</li> </ul>

					Power point, You Tube	<p>General Zoology: Volume I, 4th ed. India: New Central Book Agency, 2011.</p> <ul style="list-style-type: none"> <li>• P. R. Yadav, Understanding Zoology. India: Discovery Publishing Pvt. Ltd., 2010.</li> <li>• R. L. Kotpal, Modern Textbook of Zoology: Invertebrates, 12th Ed. Rastogi Publications, 2020.</li> </ul>
July	01/07/2024	07/07/2024	1	Topic 2 : Genesis of Zoology as knowledge system		<ul style="list-style-type: none"> <li>• K. K. Chaki, G. Kundu, and S. Sarkar, Introduction to General Zoology: Volume I, 4th ed. India: New Central Book Agency, 2011.</li> <li>• P. R. Yadav, Understanding Zoology. India: Discovery Publishing Pvt. Ltd., 2010.</li> <li>• R. L. Kotpal, Modern Textbook of Zoology: Invertebrates, 12th Ed. Rastogi Publications, 2020.</li> </ul>
July	08/07/2024	14/07/2024	1	Topic 3: Genesis of Zoology as knowledge system	Blackboard, Power point, You Tube,	
July	15/07/2024	21/07/2024	1	Topic 4: Rise of the Naturalist	Google classroom	
July	22/07/2024	28/07/2024	1	Topic 5: Rise of the Naturalist		
July/August	29/07/2024	04/08/2024	1	Topic 6: Aristotle's Zoology	Blackboard, Power point, You Tube,	<ul style="list-style-type: none"> <li>• K. K. Chaki, G. Kundu, and S. Sarkar, Introduction to General Zoology: Volume I, 4th ed. India: New Central Book Agency, 2011.</li> <li>• P. R. Yadav, Understanding Zoology. India: Discovery Publishing Pvt. Ltd., 2010.</li> <li>• R. L. Kotpal, Modern Textbook of Zoology: Invertebrates, 12th Ed. Rastogi Publications, 2020.</li> </ul>
August	05/08/2024	11/08/2024	1	Topic 7: Major milestones in Zoology from 17th Century to present	Google classroom	
August	12/08/2024	18/08/2024	1	Topic 5: Rise of the Naturalist Topic 8: Major milestones in Zoology from 17th Century to present	Blackboard, Power point, You Tube	
August	19/08/2024	25/08/2024	1	Topic 9 : Major milestones in Zoology from 17th Century to present	Blackboard, Power point, You Tube, Google classroom	
August	26/08/2024	01/09/2024	1	Topic 10 : Major milestones in Zoology from 17th Century to present	classroom	<ul style="list-style-type: none"> <li>• K. K. Chaki, G. Kundu, and S. Sarkar, Introduction to</li> </ul>

September	02/09/2024	08/09/2024	1	Topic 11 : Major milestones in Zoology from 17th Century to present		General Zoology: Volume I, 4th ed. India: New Central Book Agency, 2011. • P. R. Yadav, Understanding Zoology. India: Discovery Publishing Pvt. Ltd., 2010. • R. L. Kotpal, Modern Textbook of Zoology: Invertebrates, 12th Ed. Rastogi Publications, 2020. • R. R. Prabhu Jayasurya, Economic Zoology. India: Saras Publications, 2013. • K.D. Chatterjee, Parasitology: Protozoology and Helminthology, 13th ed. India: CBS Publishers & Distributors, 2019. • K. K. Chaki, G. Kundu, and S. Sarkar, Introduction to General Zoology: Volume I, 4th ed. India: New Central Book Agency, 2011. • P. R. Yadav, Understanding Zoology. India: Discovery Publishing Pvt. Ltd., 2010. • R. L. Kotpal, Modern Textbook of Zoology: Invertebrates, 12th Ed. Rastogi Publications, 2020.
September	09/09/2024	15/09/2024	1	Topic 12 : Branches of Zoology		
September	16/09/2024	22/09/2024	1	Topic 13 : Branches of Zoology	Blackboard, Power point, You Tube, Google classroom	
September	23/09/2024	29/09/2024	1	Topic 14 : Branches of Zoology.		
Sept/October	30/09/2024	06/10/2024	1	Topic 15 : Branches of Zoology.		
October	07/10/2024	13/10/2024	1	Revision	Blackboard, Power point, You Tube, Google classroom	

**\* Assessment Rubrics**

Component	Max Marks
ISA 1	10
ISA 2	10
ISA 3	10

Semester End Exam	80
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