

Lecture Plan

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

Name of Faculty: Miss. Ayesha E. Shetkar

Subject: Zoology

Paper code: ZOO 100 – Amazing World Of Animals

Program: F.Y.B.Sc.

Division:

Academic year: 2024-25

Semester: I

Total Lectures: 15

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

Expected Course Outcome: 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 gain knowledge of the various aspects of origin, diversity & distribution of animals.

Month	Lecture From	Lecture To	No. of lectures allotted	Topic, Subtopic to be covered	Exercise/ Assignment	ICT Tools	Reference books
July 2024	1st	6th	1	Topic 1 Bioluminescence in animals		Power point presentation	1.P. D. Sharma, Ecology and Environment, 13th Ed. Rastogi Publications, 2014. 2. P. R. Yadav, Understanding Zoology. India: Discovery Publishing Pvt. Ltd., 2010.

	8th	13th	1	Topic 2: Echolocation in bats & cetaceans	Power point presentation	1.P. D. Sharma, Ecology and Environment, 13th Ed. Rastogi Publications, 2014. 2. P. R. Yadav, Understanding Zoology. India: Discovery Publishing Pvt. Ltd., 2010.
	15th	20th	1	Topic 3: Pearl formation in molluscs	Power point presentation	1.P. D. Sharma, Ecology and Environment, 13th Ed. Rastogi Publications, 2014. 2. P. R. Yadav, Understanding Zoology. India: Discovery Publishing Pvt. Ltd., 2010.
	22	27	1	Topic 4: Regeneration in animals	Power point presentation	1.P. D. Sharma, Ecology and Environment, 13th Ed. Rastogi Publications, 2014. 2. P. R. Yadav, Understanding Zoology. India: Discovery Publishing Pvt. Ltd., 2010.
	29	3 Aug	1	Topic 5: Mimicry in butterflies	Power point presentation	1.P. D. Sharma, Ecology and Environment, 13th Ed. Rastogi Publications, 2014. 2. P. R. Yadav, Understanding Zoology. India: Discovery Publishing Pvt. Ltd., 2010.
August 2024	5	10	1	Topic 6: Bird migration	Power point presentation	1.P. D. Sharma, Ecology and Environment, 13th Ed. Rastogi Publications, 2014. 2. P. R. Yadav, Understanding Zoology. India: Discovery Publishing Pvt. Ltd., 2010.
	12	17	1	Topic 7: Bird migration continued	Power point presentation	1.P. D. Sharma, Ecology and Environment, 13th Ed. Rastogi Publications, 2014. 2. P. R. Yadav, Understanding Zoology. India: Discovery Publishing Pvt. Ltd., 2010.

					presen tation	Ltd., 2010.
	19	24	1	Topic 8: Jatinga bird phenomenon	Power point presen tation	1.P. D. Sharma, Ecology and Environment, 13th Ed. Rastogi Publications, 2014. 2. P. R. Yadav, Understanding Zoology. India: Discovery Publishing Pvt. Ltd., 2010.
	26	31	1	Topic 9: Breeding & parental care in fishes	Power point presen tation	1.P. D. Sharma, Ecology and Environment, 13th Ed. Rastogi Publications, 2014. 2. P. R. Yadav, Understanding Zoology. India: Discovery Publishing Pvt. Ltd., 2010.
Septem ber 2024	2	14	1	Topic 10: Breeding & parental care in amphibia	Power point presen tation	1.P. D. Sharma, Ecology and Environment, 13th Ed. Rastogi Publications, 2014. 2. P. R. Yadav, Understanding Zoology. India: Discovery Publishing Pvt. Ltd., 2010.
	16	21	1	Topic 11: Breeding & parental care in mammals	Power point presen tation	1.P. D. Sharma, Ecology and Environment, 13th Ed. Rastogi Publications, 2014. 2. P. R. Yadav, Understanding Zoology. India: Discovery Publishing Pvt. Ltd., 2010.
	23	28	1	Topic 12: Extreme survival adaptations in animals	Power point presen tation	1.P. D. Sharma, Ecology and Environment, 13th Ed. Rastogi Publications, 2014. 2. P. R. Yadav, Understanding Zoology. India: Discovery Publishing Pvt. Ltd., 2010.
	30	5 Oct	1	Topic 13: Extreme survival adaptations in animals continued	Power point presen tation	1.P. D. Sharma, Ecology and Environment, 13th Ed. Rastogi Publications, 2014. 2. P. R. Yadav, Understanding Zoology. India: Discovery Publishing Pvt. Ltd., 2010.
October	7	12	1	Topic 14: Animal cognition	Power point presen tation	1.P. D. Sharma, Ecology and Environment, 13th Ed. Rastogi Publications, 2014. 2. P. R. Yadav, Understanding Zoology. India: Discovery Publishing Pvt. Ltd., 2010.
	14	19	1	Revision		1.P. D. Sharma, Ecology and Environment, 13th Ed. Rastogi Publications, 2014. 2. P. R. Yadav, Understanding Zoology. India: Discovery Publishing Pvt.

							Ltd., 2010.
	21	22	1	Revision			1.P. D. Sharma, Ecology and Environment, 13th Ed. Rastogi Publications, 2014. 2. P. R. Yadav, Understanding Zoology. India: Discovery Publishing Pvt. Ltd., 2010.

*** Assessment
Rubrics**

Component	Max Marks
ISA 1	7.5
ISA 2	7.5
Practical	25
Project	--
Semester End Exam	60