

# Govt.P.G.College,Safidon(Jind)-126112

Session:2023-2024 (Odd Semester)

## Lesson Plan

Name of Teacher: Dr. Manjeet Kaur

Subject: Zoology

Class: B.Sc III (Med)

Sr.No.	Week	Date	Topic
1	1st	24 July - 01 Aug	Basic concept of ecology: Definition, significance, concept of habitat and ecological niche, Factors affecting environment: Abiotic factors
2	2nd	02 Aug - 09 Aug	Topography, adaptive factors, temp, humidity biotic factors, Introduction to major ecosystems of the world
3	3rd	10 Aug - 17 Aug	Ecosystem: Concept, components, properties and functions, Ecological energetics and energy flow, food chain, food web
4	4th	18 Aug - 25 Aug	Trophic structure, Ecological pyramids and concept of productivity & Test
5	5th	26 Aug - 3 Sept	Biogeochemical cycles: Concept of carbon cycle, Nitrogen cycle and sedimentary cycles
6	6th	04 Sept - 11 Sept	Population: Growth and regulation concept of Biodiversity and conservation of natural resources & Test
7	7th	12 Sept - 19 Sept	Migration in Fishes and birds, Parental care in animals, Population interactions: Competition, Predation, parasitism, commensalism and mutualism, Environmental Pollution
8	8th	20 Sept - 27 Sept	Air, water, soil and management strategies origin of life, concept and evidences of organic evolution
9	9th	28 Sept - 05 Oct	Theories of organic evolution, concept of micro, macro and mega - evolution concept of species, Phylogeny of Hare, Evolution of man, Histochemical perspective, aims and scope of developmental biology, Generalised structure of mammalian ovum & sperm, spermatogenesis and oogenesis, Fertilization, parthenogenesis, different types of eggs and pattern of cleavage
10	10th	06 Oct - 13 Oct	Process of blastulation and fate map construction in frog and chick, Gastrulation in frog and chick upto the formation of three germ layers
11	11th	14 Oct - 21 Oct	Elementary knowledge of primary organisms, Elementary knowledge of extra embryonic membranes
12	12th	22 Oct - 30 Oct	
13	13th	02 Nov - 09 Nov	
14	14th	14 Nov - 21 Nov	Concept of competence & Test

15	15th	22 Nov - 30 Nov	Concept of alternation and differentiation Concept of regeneration.
16	16th	29 Nov - 03 Dec	Revision

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## Lesson Plan

Name of Teacher:.....<sup>DR. ANIL</sup>SHARMA.

Subject:.. Zoology

Class... BSc.T3+

Sr.No.	Week	Date	Topic
1	1st	24 July - 01 Aug	PHYLUM - PROTOZOA. Type study - <u>Plasmodium</u> GENERAL CHARACTER AND Classification.
2	2nd	02 Aug - 09 Aug	PHYLUM <u>PROTISTEA</u> Type study of <u>Alga</u> .
3	3rd	10 Aug - 17 Aug	PHYLUM <u>Coccolithophora</u> . Gen. char. Type study of <u>Obelia</u> .
4	4th	18 Aug - 25 Aug	PHYLUM - <u>Platyhelminthes</u> . Gen. char. Type study - <u>Fasciola</u> .
5	5th	26 Aug - 3 Sept	PHYLUM - <u>ANNELEIDA</u> Gen. char. Type study of <u>Phoron</u> <u>Polychaeta</u>
6	6th	04 Sept - 11 Sept	PHYLUM. <u>ARTHROPODA</u> Gen. char Type study <u>Periplaneta americana</u>
7	7th	12 Sept - 19 Sept	PHYLUM - <u>MOLLUSCA</u> . Gen. character Type study of <u>Pila</u> <u>Mollusca</u> .
8	8th	20 Sept - 27 Sept	Gen. character upto order level.
9	9th	28 Sept - 05 Oct	PHYLUM - <u>Echinodermata</u>
10	10th	06 Oct - 13 Oct	Gen. char. and Classification.
11	11th	14 Oct - 21 Oct	type study of <u>Asterias</u> .
12	12th	22 Oct - 30 Oct	PHYLUM <u>Hemichordata</u>
13	13th	02 Nov - 09 Nov	Gen. char. of. Classification Upto order level
14	14th	14 Nov - 21 Nov	<u>Hemichordata</u> with example

15	15th	22 Nov - 30 Nov	Revision —
16	16th	29 Nov - 03 Dec	Revision —

Dept. of Zoology

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## Lesson Plan

Name of Teacher:.....<sup>DR. ANIL .</sup>SHARMA

Subject:.. Zoology

Class... B.Sc II<sup>nd</sup>.

Sr.No.	Week	Date	Topic
1	1st	24 July - 01 Aug	Chordates:- Principle of Classification.
2	2nd	02 Aug - 09 Aug	Origin and evolution tree.
3	3rd	10 Aug - 17 Aug	Biodiversity, economic importance
4	4th	18 Aug - 25 Aug	General Character and Classification upto Order level.
5	5th	26 Aug - 3 Sept	PROTOCHORDATES, systematic position.
6	6th	04 Sept - 11 Sept	Type study - <u>Headmanis</u> .
7	7th	12 Sept - 19 Sept	Type study. <u>Amphioxus</u>
8	8th	20 Sept - 27 Sept	Class - Cyclostomata.
9	9th	28 Sept - 05 Oct	General Character and Classification
10	10th	06 Oct - 13 Oct	Type study of <u>Petromyzon</u> .
11	11th	14 Oct - 21 Oct	General Character and Classification
12	12th	22 Oct - 30 Oct	of Phylum. Chordates (Class. PISCES)
13	13th	02 Nov - 09 Nov	PISCES:- Type study <u>Labco Stohits</u>
14	14th	14 Nov - 21 Nov	<u>Scalen and fins.</u>

15	15th	22 Nov - 30 Nov	Parental Care, fish migrations.
16	16th	29 Nov - 03 Dec	— Revision —

Depth of  
Zoology.

