

Govt. College, Safidon (Jind)-126112

Session: 2021-22 (Even Semester)

Lesson Plan

Name of the Teacher: ANIL SHARMA

B.Sc. Ist year IInd Sem

Subject: Zoology.

Sr. No.	Months	Topic
1	April	Phylum - Annelida, General Character and Classification.
2		Type study - Planaria, metamerism and Torsion.
3		Phylum - Arthropoda, Type Study Grasshopper.
4	May	Elements of Heredity and Variations.
5		Gene interactions, Linkage and recombination.
6		Sex, determinations and its mechanism.
7		Sex Linked inheritance, Extra chromosomal.
8		and cytoplasmic inheritance.
9	June	Phylum - Mollusca, General Character and.
10		Classification Type study - Pila
11		Phylum - Echinodermata. Type Study.
12		Anatomy, Echinoderm larva, Aristotle lantern.
13		Phylum - Hemichordata, Type study Balanoglossus
14	July	Multiple allelism, Human genetics.
15		Substr. control of metabolism, Nature and.
16		function of genetic material, Eugenics.
17		Eugenics and Euphenics, Numerical aberrations.
18		Applied Genetics, Genetic Counseling.

Signature 11/04/22.

Govt. College, Safidon (Jind)-126112

Session: 2021-22 (Even Semester)

Lesson Plan

Name of the Teacher:

ANIL SHARMA

B.Sc. IInd year. IVth Sem.

Subject: Zoology.

Sr. No.	Months	Topic
1	April	Amphibia — origin, Evolutionary tree
2		Type study of <u>Rana tigrina</u> .
3		Parental care in Amphibia.
4	May	Type study of Lizard, origin of.
5		Evolutionary tree. Extinct Reptiles.
6		Poisonous and non-poisonous snakes.
7		Poison apparatus in Snake.
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9	June	Aves — Type study of Pigeon.
10		Flight adaptation. Principle of
11		aerodynamics in bird flight migration.
12		in birds.
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14	July	mammals — Classification, Type study
15		of Rat, Adaptive radiation of
16		mammals, Dentition.
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Signature 01/04/22

Govt. College, Safidon (Jind)-126112

Session: 2021-22 (Even Semester)

Lesson Plan

Name of the Teacher: Dr. Manjit Kaur

B.Sc. IIIrd year (med.)

Subject: Zoology

Sr. No.	Months	Topic
1	April	Introduction to World and Indian
2		Fisheries, Freshwater Fishes of India,
3		Fishing crafts and Gears
4	May	Brackish Water Culture, Introduction
5		to Parasitology, Insect-pests of
6		Sugarcane and Cotton, Insect pests of
7		Wheat and Paddy, Insect Pests
8		of Vegetables
9	June	Fish seed production, Fish Feed,
10		Techniques of Fish Culture, Manage-
11		ment and marketing of Fishes and
12		their products, latest Advancements
13		in Aquaculture Technology, Insect-pests of stored
14	July	Biological Control of Insects, Integrated
15		Pest Management, Bird -
16		pests and Their management,
17		Rodent's pests and their manage-
18		ments

Manjit Kaur
Signature 11/4/22

Govt. College, Safidon (Jind)-126112

Session: 2021-22 (Even Semester)

B.Sc. IInd year (Med.)

Lesson Plan

Name of the Teacher:

Dr. Manjit Kaur

Subject: Zoology

Sr. No.	Months	Topic
1	April	Circulation: Origin, Conduction and regulation of heart beat, Cardiac cycle, ECG, Cardiac output, fluid pressure and flow, pressure in closed and open circulatory system
2		Composition and function of blood, lymph, mechanism of coagulation of blood, factors affecting
3		Respiration: Exchange of gases, transport of gases, oxygen dissociation curve of haemoglobin, Bohr's effect, Haldane's phenomenon, Chloride shift, control/regulation of respiration
4	May	Excretion: Patterns of excretory product viz. Ammonotelic, Ureotelic, Uricotelic, Oxidative cycle, Krebs - Henseleit for urea formation in liver
5		Excretion: Urine formation, Counter-current mechanism of urine concentration, Osmoregulation, micturition
6	June	Neural Integration: Nature, origin and propagation of Nerve impulse along with medullated & non-medullated Nerve fibre, conduction of Nerve impulse across synapse
7		Chemical Integration or Endocrinology: Structure and mechanism of Hormonal action, Physiology of hypothalamus, pituitary, thyroid, parathyroid, adrenal, pancreas and gonads
8	July	Reproduction: Spermatogenesis, Capacitation of Spermatozoa, Ovulation, fertilisation of corpus luteum, Oestrous - menstrual cycle, menstrual cycle in human, Fertilization, Implantation and gestation
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Signature

Manjit Kaur
11/4/22