

GOVT. COLLEGE CHHILRO (MAHENDERGARH)

Lesson Plan

Name of the Assistant/ Associate Professor: Santosh Yadav Sem. III<sup>rd</sup>

Class and Section: BSc (Med.)

Subject: Zoology

Month	Topics
21 <sup>st</sup> July 2023 to 31 <sup>st</sup> July 2023	_____
1 <sup>st</sup> August 2023 to 31 <sup>st</sup> August 2023	_____
1 <sup>st</sup> September 2023 to 30 <sup>th</sup> Sept. 2023	Circulation, - Origin, conduction, regulation of heart shape beat, ECG, Cardiac cycle, Cardiac output, closed & open system, Blood, Blood clotting, Haemopoiesis. Type study - Frog
1 <sup>st</sup> October 2023 to 31 <sup>st</sup> Oct. 2023	Respiration - Exchange & Transport of gases Regulation of respiration. Excretion - counter current; Urine formation Type study - <u>Hemidactylus</u> ; <u>Columba</u> Flight mechanism; Bird Migration
1 <sup>st</sup> Nov. 2023 to 24 <sup>th</sup> Nov. 2023	Reproduction - spermatogenesis, oogenesis, menstrual cycle, Fertilization, Implantation, Hypothalamus, Pituitary, Thyroid, Parathyroid, hormones. Type study - Rat; dentition; Adaptive radiation.

  
Teacher's Signature

GOVT. COLLEGE CHHILRO (MAHENDERGARH)

Lesson Plan

Name of the Assistant/ Associate Professor: ..Santosh Yadav Sem...III.....

Class and Section: ...BSc.(Med.) Subject: ...Zoology...

Month	Topics
12 <sup>th</sup> Jan. 2024 to 31 <sup>st</sup> Jan. 2024	Chordates - classification, origin, characters, Type study - <u>Herdmania</u> , Amphioxus. Carbohydrates - characters; classification
1 <sup>st</sup> Feb. 2024 to 29 <sup>th</sup> Feb. 2024	Type study - Petromyzon; Lipid & Protein - characters and classification. Transport through membrane
1 <sup>st</sup> March 2024 to 31 <sup>st</sup> March 2024	Type study - Labeo; Parental care in fishes, Fish migration. Nutrition - Digestion; Absorption, Control of enzyme secretion, Type of nutrition and feeding
1 <sup>st</sup> April 2024 to 30 <sup>th</sup> April 2024	Muscles - Type, Contraction; Bones → str, type, bone growth & resorption; effect of ageing on bones

  
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GOVT. COLLEGE CHHILRO (MAHENDERGARH)

Lesson Plan

Name of the Assistant/ Associate Professor: Santosh Yadav Sem. V

Class and Section: BSc. (Med.)

Subject: Zoology

Month	Topics
21 <sup>st</sup> July 2023 to 31 <sup>st</sup> July 2023	<hr/>
1 <sup>st</sup> August 2023 to 31 <sup>st</sup> August 2023	<hr/>
1 <sup>st</sup> September 2023 to 30 <sup>th</sup> Sept. 2023	Basic concept of ecology; factors affecting environment; Production, utilization, demand of fisheries Fresh water fishes of India
1 <sup>st</sup> October 2023 to 31 <sup>st</sup> Oct. 2023	Ecosystem; Population-growth; Biogeochemical cycles. Micro & Macro evolution. Fishing craft & gears. Seed production; Nutrition to fishes
1 <sup>st</sup> Nov. 2023 to 24 <sup>th</sup> Nov. 2023	Evidences & Theories of evolution Phylogeny of horse, evolution of man Field culture, Culture technology

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GOVT. COLLEGE CHHILRO (MAHENDERGARH)

Lesson Plan

Name of the Assistant/ Associate Professor: Santosh Yadav Sem....VI..

Class and Section: B.Sc. Med.

Subject: Zoology

Month	Topics
12 <sup>th</sup> Jan. 2024 to 31 <sup>st</sup> Jan. 2024	Developmental Biology Introduction Spermatogenesis & oogenesis. str. of ovum, sperm Pest of sugarcane & cotton, stored grain
1 <sup>st</sup> Feb. 2024 to 29 <sup>th</sup> Feb. 2024	Type of egg; pattern of cleavage blastulation, gastrulation in vertebrates & invertebrates, fate map Pest of wheat, Paddy, vegetables Fertilization; Parthenogenesis
1 <sup>st</sup> March 2024 to 31 <sup>st</sup> March 2024	competence, differentiation, determination concept of induction IPM, - biological & chemical control.
1 <sup>st</sup> April 2024 to 30 <sup>th</sup> April 2024	extra embryonic membrane; Regeneration. Important birds & rodent pests of agriculture elementary knowledge of Pr. organizers.

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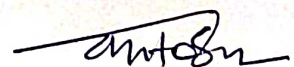
GOVT. COLLEGE CHHILRO (MAHENDERGARH)

Lesson Plan

Name of the Assistant/ Associate Professor: Zoology..... Sem.....I.....

Class and Section: BSc.I.(Med) Subject: Zoology.....

Month	Topics
21 <sup>st</sup> July 2023 to 31 <sup>st</sup> July 2023	_____
1 <sup>st</sup> August 2023 to 31 <sup>st</sup> August 2023	_____
1 <sup>st</sup> September 2023 to 30 <sup>th</sup> Sept. 2023	Life cycle - Plasmodium; Parasitic protozoans like Leishmania, Giardia, Trypanosoma. Type study - Sycon; Canal System; spicules Ribosome, Lysosome, ER, Mitochondria, Cell membrane
1 <sup>st</sup> October 2023 to 31 <sup>st</sup> Oct. 2023	Type study - Obelia, Coral & coral reef. Nucleus & Chromosome - Polytene and Lampbrush chromosomes.
1 <sup>st</sup> Nov. 2023 to 24 <sup>th</sup> Nov. 2023	Type study - Fasciola; Mitosis, Meiosis Cancer, Immunity (elementary idea)



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GOVT. COLLEGE CHHILRO (MAHENDERGARH)

Lesson Plan

Name of the Assistant/ Associate Professor: Santosh Yadav Sem. II

Class and Section: (B.Sc. I. Med)

Subject: Zoology

Month	Topics
12 <sup>th</sup> Jan. 2024 to 31 <sup>st</sup> Jan. 2024	Type study - Annelid Earthworm Metamerism; Trochophore larva, classification & General characters of Annelida Heredity & variation, gene interactions
1 <sup>st</sup> Feb. 2024 to 29 <sup>th</sup> Feb. 2024	Type study - Periplaneta; classification & general characters of phylum Arthropoda Linkage & recombination, sex determination sex-linked inheritance Cytoplasmic inheritance.
1 <sup>st</sup> March 2024 to 31 <sup>st</sup> March 2024	Type study - Pila; General characters & Classification of mollusca. Torsion & detorsion; Multiple allele, karyotype, Inborn error of metabolism, chromosomal mutation.
1 <sup>st</sup> April 2024 to 30 <sup>th</sup> April 2024	Type study - Asterias; General character & classification of echinodermata. Echinoderm larval; Aristotle lantern DNA; replication, transcription, translation, DNA fingerprinting

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