

TENTATIVE LESSON PLAN (SEMESTERS)

SESSION: 2024-25

Name of the Teacher: Ms.Nitu

Department: Zoology

Subject/Course: Animal Diversity of Non- Chordates

Programme: UG

Semester: 1st

Unit	Name of Topic/Contents	Tentative Dates/
1.	General Character and classification of Phylum protozoa & type study of Plasmodium. General character and classification of Phylum Porifera and type study of Sycon.	22 July August
2.	General character and classification of Phylum Coelenterata and type study of Obelia. General character and classification of Phylum Platyhelminthes and Aschelminthes and type study of Liver Fluke (Fasciola hepatica) Assessment Test	10 Aug August
3.	General character and classification of Annelida and type study of Earthworm (Pheretima postuma) General character and classification of Arthropoda and type study of Cockroach (Periplanita americana) Assignment 1st and Assignment 2nd	1 Sept.
4.	General character and classification of Phylum Mollusca and type study of Pilla And General character and classification of Echinodermata and type study of Asterias. General Character and classification of Hemichordata. Revision	1 Octo Novem

Name of the Teacher: Ms.Nitu

Department: Zoology

Subject/Course: M.D.C

Programme: UG

Semester: 1st

Unit	Name of Topic/Contents	Tentative Dates/
1.	Introduction of chordates, General Character of Chordates..	22 July August
2.	General character and classification of class protochordates. Assessment Test	10 Aug August
3.	General character and classification of class Pisces., Economic importance of Fishes. Assignment	1 Sept.
4.	General character and classification of Amphibia and Economic importance of class Amphibia. Revision	1 Octo Novem

TENTATIVE LESSON PLAN (SEMESTERS)

SESSION: 2024-25

Name of the Teacher: Chanchal Sharma

Department: Zoology

Subject/Course: environment and ecology, evolution and development and biology Programme: B.sc final year

Semester: 5th

Unit	Name of Topic/Contents	Tentative Dates/Days
PaperI	Factor affecting environment abiotic factor light intensity temperature humidity and biotic factor	July to August
	Ecosystem components properties and their types population growth,regulation and population interaction environmental pollution and Biogeochemical cycle Assignment - 1 Class Test	September
PaperII	Concept and evidence of organic evolution theory of evolution development and biology introduction gametogenesis Assignment - 2	october
	Blasulation in frog and its gastrulationn in frog and chick up to formation of three germinal layer, primary organiser extra ambryonic membrane concept of competence determination and regeneration	November
	Revision All Syllabus	November

TENTATIVE LESSON PLAN (SEMESTERS)

SESSION: 2024-25

Name of the Teacher: Chanchal Sharma

Department: Zoology

Subject/Course: MDC Zoology

Programme: B.A First

Semester: 1st

Unit	Name of Topic/Contents	Tentative Dates/Days
Unit-1	General characters of arthropoda and mollusca	July to August
Unit-2	Study of basic character of class insecta and snail Assignment - 1 Class Test	August to September
Unit-3	Basic character of starfish with special reference to its importance in ecosystem economic importance of starfish	September , October
Unit-4	Revision all syllabus	November

TENTATIVE LESSON PLAN (SEMESTERS)

SESSION: 2024-25

Name of the Teacher: Anjali Sharma

Department: Zoology.

Subject/Course: Animal diversity of non chordates science

Programme: B.sc life

Semester: 1st

Unit	Name of Topic/Contents	Tentative Dates/Days
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Unit-1	Protozoa general characters and classification plasmodium vivax, phylum porifera general characters and classification, character of phylum porifera Scypha	July to August
Unit-2	Phylum coelentetata their general characters and classification,study of obelia, platyhelminthes,general character and classification of fasciola hepatica Assignment - 1 Class Test	September
Unit-3	general characters and classification of Annelida, general classification of pheretima posthuma,	October
Unit-4	General characters and classification of periplantea Americana, molluscs character, echinoderm asteris, hemichordates general character and classification	November

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TENTATIVE LESSON PLAN (SEMESTERS)

SESSION: 2024-25

Name of the Teacher: Anjali Sharma

Department: Zoology

Subject/Course: SEC /Technique in bird watching
life science

Programme: BA+B.sc

Semester: 1st

Unit	Name of Topic/Contents	Tentative Dates/Days
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Unit-1	Introduction to bird watching characteristics of bird with flight adaptation, important field sign of bird watching	July to August
Unit-2	Zoological name and field character of birds sexual dimorphism in birds Assignment - 1 Class Test	September
Unit-3	Important bird areas of India and Haryana residence and migratory birds	October
Unit-4	Bird as bio indicator, bird in food chain, bird migration	November

TENTATIVE LESSON PLAN (SEMESTERS)

SESSION: 2024-25

Name of the Teacher: Anjali Sharma

Department: Zoology

Subject/Course: MDC Zoology.

Programme: B.A

Semester: IIIrd

Unit	Name of Topic/Contents	Tentative Dates/Days
Unit-1	Human skelton and bones characteristics axial and	July to August

	appendicular skeleton joints cartilage and ligament interaction between skeletal muscles and nerves ABO and RH system in humans method of determination importance and dangers of blood transfusion.	
Unit-2	Human cell and chromosome, cell as unit of life morphology and functional elements of human chromosome sex determination, definition different types and scope Assignment - 1 Class Test	September
Unit-3	Respiration in humans anatomy and physiology of respiration factor affecting change of gases and diffusing capacity, introduction of dental formula and types and development of tooth	October
Unit-4	Darwinism species and population, concept of evolution theory of darwinism neodarwinism, genetic drift and hardywinberg principle, human evolution origin and evolution, adaptive evolution	November

TENTATIVE LESSON PLAN (SEMESTERS)

SESSION: 2024-25

Name of the Teacher: Dr.Komal duhan

Department: Zoology

Subject/Course: cell biology and animal genetics.

Programme: B.sclInd

Semester: IIIrd

Unit	Name of Topic/Contents	Tentative Dates/Days
Unit-1	General structure of animal cell plasma membran, model various mode of transport across the membrane active and passive endocytosis exocytosis, endoplasmic reticulum types and functions structure associated enzyme and role of Golgi	July to August

	<p>complex in animal cell ribosome types biogenesis and role in protein synthesis lysosome structure enzyme and their role in polymorphism, mitochondria structure mitochondria mitochondria semiautonomous body biogenesis function of mitochondria function,cilia and flagellar structure and function</p>	
Unit-2	<p>Ultrastructure and function of nucleus, nuclear membrane nuclear lamina,nucleolus find structure of chromosome nucleosome concept and role of histone Euchromatin heterochromatin,introduction and mendal law of inheritance linkage and recombination cell cycle, crossing over and the chismata formation,mapping sex determination and its mechanism male and female heterogeneous system genetic balance system</p> <p>Assignment - 1</p> <p>Class Test</p>	September
Unit-3	<p>Y chromosome male haploidy,cytoplasmic inheritance linkage and role of hormones in sex determination sex link inheritance hemophilian colour blindness in men,eye colour Drosophila non dis junction of sex chromosome in drosophila,sex linked and influenced inheritance extra chromosome and cytoplasmic,inheritance Kappa particle in paramecium shell coil in snails milk factor in mice,multiple allelism</p>	October
Unit-4	<p>AbO blood group in man human genetics human karyotype,chromosomal abnorml involving autosomes and sex chromosome monozyotic and dizyogotic twins inborneror of metabolism DNA fingerprinting transgenic animals</p>	November

TENTATIVE LESSON PLAN (SEMESTERS)

SESSION: 2024-25

Name of the Teacher: Dr. Komal duhan

Department: Zoology

Subject/Course: SEC Zoology.
science

Programme: B.A+B.sc life

Semester: IIIrd

Unit	Name of Topic/Contents	Tentative Dates/Days
Unit-1	Microtomy introduction definition history and application in biological sciences, types of microtome rotatory micro sledge microtomy , cryomicrotomy	July toAugust
Unit-2	Collection and transportation of sample specimen for histological examination basic concept of fixation Assignment - 1 Class Test	September
Unit-3	Section cutting and paraffin section cutting stretching spreading the sections and attachment to the glass slide, staining principle and procedure, preparation of stain and solvent	October
Unit-4	General staining procedure for paraffin embedded tissue nuclearstains,andcytoplasm hematoxylins,eosin,Mercury bromophenol blue staining toludinein blue.	November