

Revised Lesson Plan Format

Name of Assistant/ Associate Professor: Dr. Rekha Saini

Class and Section: BSc. 2ndyear sem^{3rd}

Subject lesson plan: Zoology

Session:2024-25

25-07-2024	i Introduction, Classification, Structure, function and general properties of carbohydrates and lipid
26-07-2024	Introduction, Classification, Structure, function and general properties of proteins; Nomenclature, Classification and mechanisms of enzyme action. Transport through biomembranes (Active and Passive), buffer
01-08-2024	. Nutrition: Nutritional components; Carbohydrates, fats, lipids, Vitamins and Minerals. Types of nutrition & feeding, Digestion of dietary constituents, viz. lipids, proteins, carbohydrates & nucleic acids;
02-08-2024	symbiotic digestion. Absorption of nutrients & assimilation; control of enzyme secretion.
08-08-2024	Muscles: Types of muscles, ultra-structure of skeletal muscle. Bio-chemical and physical events during muscle contraction; single muscle twitch, tetanus, muscle fatigue muscle, tone, oxygen debt
09-08-2024	Cori's cycle, single unit smooth muscles, their physical and functional properties. Bones: Structure and types, classification, bone growth and resorption, effect of ageing on skeletal system and bone disorders.
10-08-2024	TEST
16-08-2024	Chordates: Principles of classification; Origin and Evolutionary tree; Role of amnion in evolution; Salient features of chordates
17-08-2024	Chordates: Principles of classification; Origin and Evolutionary tree; Role of amnion in evolution; Salient features of chordates
23-08-2024	General characters and classification of phyla upto orders with examples emphasizing their biodiversity, economic importance and conservation measures where required. Protochordates: Systematic position, distribution, ecology, morphology and affinities
24-08-2024	General characters and classification of phyla upto orders with examples emphasizing their biodiversity, economic importance and conservation measures where required. Protochordates: Systematic position, distribution, ecology, morphology and affinities
30-08-2024	Urochordata: Herdmania – type study
06-09-2024	Urochordata: Herdmania – type study
07-09-2024	Cephalochordata: Amphioxus – type study

13-09-2024	TEST
14-09-2024	General characters and classification of phyla upto orders with examples emphasizing their biodiversity, economic importance and conservation measures where required
20-09-2024	Cyclostomes: Classification and ecological significance Type study of Petromyzon.
21-09-2024	Type study – Petromyzon
27-09-2024	TEST
28-09-2024	General characters and classification of all phyla upto orders with examples emphasizing their biodiversity,
04-10-2024	Economic importance and conservation measures where required
05-10-2024	Pisces: Scales & Fins,
11-10-2024	Parental care in fishes
18-10-2024	FISH MIGRATION
19-10-2024	TEST
26-10-2024	TEST
08-11-2024	, Types study of Labeo
09-11-2024	Types study of Labeo
16-11-2024	TEST
22-11-2024	Types study of Labeo
23-11-2024	TEST

Signature

Dr. Rekha Saini